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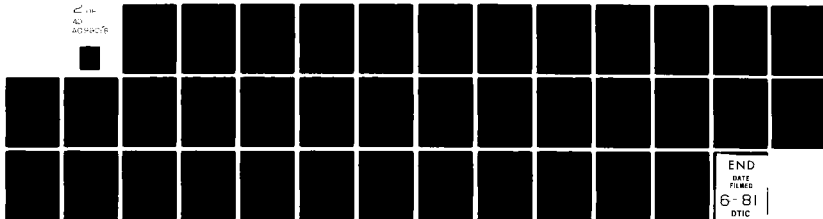
SMITHSONIAN ASTROPHYSICAL OBSERVATORY CAMBRIDGE MA R--ETC F/6 8/3
DETERMINING GEOPHYSICAL PHENOMENA. A GEOPHYSICAL ANALYSIS OF SA--ETC(U)
MAR 81 E M GAPOSCHKIN F19628-78-C-0216

UNCLASSIFIED

AFGL-TR-81-0023

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	EPOCH	GEOS-B PERIGEE	MEAN ELEMENTS NODE INCLINATION	ECCENTRICITY	MEAN ANOMALY	A	
6800201	43207.	-205.91316	41.50114	105.80486	0.03198081	0.58070079	7.70497268
6800201	43211.	-212.39470	47.10496	105.80483	0.03198085	0.90441611	7.70497238
6800201	43215.	-218.87560	52.70875	105.80488	0.03198086	0.22813297	7.70497196
6800201	43219.	-225.35620	58.31256	105.80486	0.03198121	0.55185203	7.70497179
6800201	43223.	-231.83757	63.91636	105.80484	0.03198128	0.87557448	7.70497169
6800201	43227.	-238.31884	69.52015	105.80485	0.03198124	0.19929860	7.70497139
6800201	43231.	-244.79960	75.12396	105.80487	0.03198126	0.52302402	7.70497109
6800201	43235.	-251.28070	80.72778	105.80488	0.03198132	0.84675417	7.70497069
6800201	43239.	-257.76173	86.33161	105.80483	0.03198154	0.17048793	7.70497039
6800201	43243.	-264.24333	91.93542	105.80482	0.03198141	0.49422623	7.70496999
6800201	43247.	-89.27558	97.53923	105.80484	0.03198134	0.81796712	7.70496968
6800201	43251.	82.79456	103.14303	105.80486	0.03198104	0.14171155	7.70496928
6800201	43255.	76.31345	108.74682	105.80483	0.03198096	0.46545940	7.70496898
6800201	43259.	69.83216	114.35064	105.80484	0.03198073	0.78921141	7.70496868
6800201	43263.	63.35055	119.95446	105.80490	0.03198058	0.11296724	7.70496828
6800201	43267.	56.86887	125.55829	105.80486	0.03198049	0.43672648	7.70496798
6800201	43271.	50.38731	131.16211	105.80484	0.03198040	0.76048882	7.70496768
6800201	43275.	43.90635	136.76593	105.80486	0.03197961	0.08425211	7.70496728
6800201	43279.	37.42485	142.36975	105.80483	0.03197963	0.40801987	7.70496708
6800201	43283.	30.94285	147.97356	105.80480	0.03197939	0.73179301	7.70496678
6800201	43287.	24.46091	153.57737	105.80478	0.03197925	0.05556775	7.70496648
6800201	43291.	17.97933	159.18116	105.80484	0.03197866	0.37934395	7.70496618
6800201	43295.	11.49934	164.78493	105.80487	0.03197879	0.70311822	7.70496588
6800201	43299.	5.01650	170.38882	105.80483	0.03197870	0.02690219	7.70496558

GEOS-A RADIATION PRESSURE PERTURBATIONS

EPOCH	PERIGEE	NODE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
41501.	-0.165774E-04	0.402717E-06	0.632601E-07	-0.200823E-05	0.142826E-06	0.877338E-06
41503.	-0.348277E-04	0.909111E-06	0.987720E-07	-0.383355E-05	-0.307684E-05	0.168615E-05
41505.	-0.550827E-04	0.150965E-05	0.102429E-06	-0.550035E-05	-0.931435E-05	0.244411E-05
41507.	-0.768517E-04	0.217527E-05	0.714487E-07	-0.696371E-05	-0.182824E-04	0.312504E-05
41509.	-0.100974E-03	0.290314E-05	0.329841E-08	-0.827243E-05	-0.295668E-04	0.374282E-05
41511.	-0.126925E-03	0.366207E-05	-0.100153E-06	-0.938725E-05	-0.428691E-04	0.425015E-05
41513.	-0.154512E-03	0.443078E-05	-0.236767E-06	-0.103005E-04	-0.579042E-04	0.465968E-05
41519.	-0.245191E-03	0.660586E-05	-0.794883E-06	-0.118321E-04	-0.109575E-03	0.532028E-05
41521.	-0.277370E-03	0.723042E-05	-0.100423E-05	-0.119564E-04	-0.127928E-03	0.535423E-05
41523.	-0.310233E-03	0.778332E-05	-0.120987E-05	-0.119028E-04	-0.146244E-03	0.532147E-05
41525.	-0.343595E-03	0.825743E-05	-0.140178E-05	-0.116837E-04	-0.164349E-03	0.523345E-05
41527.	-0.377264E-03	0.864937E-05	-0.157012E-05	-0.113118E-04	-0.181907E-03	0.509916E-05
41529.	-0.411045E-03	0.895918E-05	-0.170564E-05	-0.108901E-04	-0.193671E-03	0.492466E-05
41531.	-0.444735E-03	0.918994E-05	-0.180003E-05	-0.101600E-04	-0.214418E-03	0.471182E-05
41533.	-0.478144E-03	0.934730E-05	-0.184617E-05	-0.940297E-05	-0.228947E-03	0.445883E-05
41535.	-0.511103E-03	0.943907E-05	-0.183839E-05	-0.854061E-05	-0.242076E-03	0.415880E-05
41537.	-0.542798E-03	0.947574E-05	-0.177475E-05	-0.760553E-05	-0.253714E-03	0.380115E-05
41539.	-0.574409E-03	0.946603E-05	-0.165077E-05	-0.657011E-05	-0.263579E-03	0.336508E-05
41541.	-0.604983E-03	0.942247E-05	-0.146668E-05	-0.546498E-05	-0.271671E-03	0.289243E-05
41543.	-0.634363E-03	0.935775E-05	-0.122437E-05	-0.429900E-05	-0.277753E-03	0.238863E-05
41545.	-0.662287E-03	0.928324E-05	-0.927297E-05	-0.308298E-05	-0.281866E-03	0.183249E-05
41547.	-0.688562E-03	0.921028E-05	-0.582303E-06	-0.182553E-05	-0.283873E-03	0.123087E-05
41549.	-0.713013E-03	0.914983E-05	-0.199901E-06	-0.529886E-06	-0.283745E-03	0.521832E-06
41551.	-0.735442E-03	0.910969E-05	-0.205424E-06	-0.800061E-06	-0.281484E-03	0.295634E-07
41553.	-0.756931E-03	0.909063E-05	-0.629106E-06	0.221991E-05	-0.276919E-03	-0.338851E-06
41555.	-0.774383E-03	0.908509E-05	0.100107E-06	0.362316E-05	-0.276729E-03	-0.590277E-06
41557.	-0.789429E-03	0.903436E-05	0.124422E-06	0.510922E-05	-0.263553E-03	-0.111040E-05
41559.	-0.800539E-03	0.894871E-05	0.143603E-06	0.659734E-05	-0.256787E-03	-0.110649E-05
41571.	-0.773675E-03	0.844370E-05	0.267079E-06	0.142616E-04	-0.229654E-03	-0.127902E-05
41573.	-0.737335E-03	0.837617E-05	0.266884E-06	0.152979E-04	-0.227392E-03	-0.133566E-05
41575.	-0.729694E-03	0.831635E-05	0.305698E-06	0.162598E-04	-0.225732E-03	-0.138642E-05
41577.	-0.702737E-03	0.831135E-05	0.318662E-06	0.171213E-04	-0.224239E-03	-0.135948E-05
41579.	-0.674943E-03	0.839456E-05	0.313959E-06	0.178504E-04	-0.221866E-03	-0.176897E-05
41583.	-0.645385E-03	0.845724E-05	0.287980E-06	0.190175E-04	-0.214441E-03	-0.217022E-05
41589.	-0.617615E-03	0.811749E-05	0.250614E-06	0.202220E-04	-0.197246E-03	-0.268596E-05
41591.	-0.583586E-03	0.790926E-05	0.244079E-06	0.205034E-04	-0.190165E-03	-0.282477E-05
41593.	-0.449132E-03	0.767238E-05	0.241569E-06	0.207301E-04	-0.182642E-03	-0.293665E-05
41595.	-0.44690E-03	0.741972E-05	0.243316E-06	0.209036E-04	-0.174704E-03	-0.303921E-05
41597.	-0.398163E-03	0.716257E-05	0.24291E-06	0.209639E-04	-0.163623E-03	-0.311808E-05
41599.	-0.381725E-03	0.691020E-05	0.241256E-06	0.209970E-04	-0.152473E-03	-0.318496E-05
41601.	-0.365650E-03	0.666883E-05	0.257909E-06	0.210017E-04	-0.141198E-03	-0.322781E-05
41603.	-0.349828E-03	0.644438E-05	0.265731E-06	0.209780E-04	-0.129919E-03	-0.323496E-05
41605.	-0.334492E-03	0.624104E-05	0.273930E-06	0.209244E-04	-0.118694E-03	-0.321356E-05
41607.	-0.319613E-03	0.605936E-05	0.281217E-06	0.209370E-04	-0.107582E-03	-0.313422E-05
41609.	-0.305204E-03	0.589087E-05	0.285055E-06	0.207090E-04	-0.966464E-04	-0.304190E-05

STATION	RELATIVE PRESSURE PERTURBATIONS	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
NO.	NODE				
4150.	0.00000E-03	0.00000E-06	0.205222E-04	-0.863047E-04	-0.285206E-05
4151.	0.00000E-03	0.28203E-06	0.202945E-04	-0.759252E-04	-0.281568E-05
4152.	0.00000E-03	0.245826E-06	0.200243E-04	-0.652376E-04	-0.279220E-05
4153.	0.00000E-03	0.247592E-06	0.197127E-04	-0.542280E-04	-0.278380E-05
4154.	0.00000E-03	0.237012E-06	0.193602E-04	-0.428363E-04	-0.278810E-05
4155.	0.00000E-03	0.223927E-06	0.189602E-04	-0.311570E-04	-0.280142E-05
4156.	0.00000E-03	0.214779E-06	0.185321E-04	-0.191370E-04	-0.281649E-05
4157.	0.00000E-03	0.203469E-06	0.180589E-04	-0.678103E-05	-0.282607E-05
4158.	0.00000E-03	0.192315E-06	0.175487E-04	0.590140E-05	-0.282356E-05
4159.	0.00000E-03	0.180895E-06	0.170677E-04	0.188982E-04	-0.280435E-05
4160.	0.00000E-03	0.169305E-06	0.164308E-04	0.321709E-04	-0.276805E-05
4161.	0.00000E-03	0.158439E-06	0.158434E-04	0.456744E-04	-0.262532E-05
4162.	0.00000E-03	0.139012E-06	0.152895E-04	0.586947E-04	-0.240903E-05
4163.	0.00000E-03	0.127028E-06	0.147321E-04	0.710100E-04	-0.216722E-05
4164.	0.00000E-03	0.991782E-06	0.141353E-04	0.824844E-04	-0.192088E-05
4165.	0.00000E-03	0.743695E-06	0.136153E-04	0.930478E-04	-0.167517E-05
4166.	0.00000E-03	0.560949E-06	0.131628E-04	0.102700E-03	-0.146358E-05
4167.	0.00000E-03	0.413347E-06	0.126748E-04	0.111461E-03	-0.128183E-05
4168.	0.00000E-03	0.276313E-06	0.122124E-04	0.119371E-03	-0.111979E-05
4169.	0.00000E-03	0.181437E-06	0.117802E-04	0.126478E-03	-0.968071E-06
4170.	0.00000E-03	0.118961E-06	0.113829E-04	0.132840E-03	-0.820736E-06
4171.	0.00000E-03	0.881180E-07	0.110360E-04	0.138525E-03	-0.674777E-06
4172.	0.00000E-03	0.871870E-07	0.107160E-04	0.143610E-03	-0.530643E-06
4173.	0.00000E-03	0.113664E-06	0.104639E-04	0.148185E-03	-0.392455E-06
4174.	0.00000E-03	0.164350E-06	0.102662E-04	0.152365E-03	-0.268048E-06
4175.	0.00000E-03	0.235410E-06	0.101422E-04	0.156241E-03	-0.169596E-06
4176.	0.00000E-03	0.420380E-06	0.101290E-04	0.163742E-03	-0.145437E-06
4177.	0.00000E-03	0.523539E-06	0.102512E-04	0.167628E-03	-0.220482E-06
4178.	0.00000E-03	0.626262E-06	0.104639E-04	0.171840E-03	-0.336700E-06
4179.	0.00000E-03	0.724675E-06	0.107785E-04	0.176558E-03	-0.530061E-06
4180.	0.00000E-03	0.813719E-06	0.111944E-04	0.181964E-03	-0.793411E-06
4181.	0.00000E-03	0.888504E-06	0.117154E-04	0.188257E-03	-0.109902E-05
4182.	0.00000E-03	0.945801E-06	0.123410E-04	0.195632E-03	-0.143456E-05
4183.	0.00000E-03	0.98589E-06	0.130671E-04	0.204283E-03	-0.179232E-05
4184.	0.00000E-03	0.100114E-05	0.138878E-04	0.214400E-03	-0.216996E-05
4185.	0.00000E-03	0.999295E-06	0.148337E-04	0.226310E-03	-0.258518E-05
4186.	0.00000E-03	0.979776E-06	0.158210E-04	0.23982E-03	-0.301094E-05
4187.	0.00000E-03	0.946184E-06	0.168808E-04	0.255656E-03	-0.346962E-05
4188.	0.00000E-03	0.903052E-06	0.180044E-04	0.273489E-03	-0.396722E-05
4189.	0.00000E-03	0.856845E-06	0.191858E-04	0.293629E-03	-0.453589E-05
4190.	0.00000E-03	0.810983E-06	0.204107E-04	0.316186E-03	-0.512722E-05
4191.	0.00000E-03	0.770693E-06	0.216694E-04	0.341259E-03	-0.573642E-05
4192.	0.00000E-03	0.74085E-06	0.229507E-04	0.368924E-03	-0.637363E-05
4193.	0.00000E-03	0.725787E-06	0.242420E-04	0.399237E-03	-0.706395E-05
4194.	0.00000E-03	0.728817E-06	0.255395E-04	0.432233E-03	-0.775728E-05

GEOS-A		RADIATION PRESSURE PERTURBATIONS			EPOCH		
		PER GEE	NODE	INCLINATION			
					ECCENTRICITY	MEAN ANOMALY	A
41703.	-0.688287E-03	-0.546442E-05	0.752286E-06	0.269329E-04	0.467892E-03	-0.843363E-05	
41705.	-0.687618E-03	-0.61716E-05	0.797851E-06	0.281182E-04	0.506302E-03	-0.908190E-05	
41707.	-0.686349E-03	-0.722903E-05	0.866071E-06	0.293833E-04	0.547393E-03	-0.969635E-05	
41709.	-0.684524E-03	-0.819219E-05	0.956434E-06	0.306188E-04	0.591115E-03	-0.102751E-04	
41711.	-0.682166E-03	-0.919869E-05	0.106691E-05	0.318163E-04	0.637389E-03	-0.108187E-04	
41713.	-0.679277E-03	-0.102407E-04	0.119324E-05	0.329688E-04	0.686090E-03	-0.113263E-04	
41715.	-0.675855E-03	-0.113114E-04	0.132767E-05	0.340710E-04	0.737037E-03	-0.117919E-04	
41717.	-0.671862E-03	-0.124056E-04	0.145547E-05	0.351192E-04	0.789946E-03	-0.121916E-04	
41719.	-0.667092E-03	-0.135238E-04	0.153422E-05	0.361216E-04	0.844270E-03	-0.124269E-04	
41721.	-0.661404E-03	-0.146821E-04	0.152636E-05	0.370582E-04	0.899139E-03	-0.124633E-04	
41723.	-0.655318E-03	-0.158697E-04	0.152057E-05	0.378423E-04	0.953856E-03	-0.125127E-04	
41725.	-0.648862E-03	-0.170812E-04	0.151598E-05	0.384651E-04	0.100839E-02	-0.125644E-04	
41727.	-0.642083E-03	-0.183105E-04	0.151242E-05	0.389190E-04	0.106318E-02	-0.126109E-04	
41729.	-0.634999E-03	-0.195519E-04	0.150907E-05	0.392004E-04	0.111797E-02	-0.126414E-04	
41731.	-0.627648E-03	-0.207993E-04	0.150571E-05	0.393077E-04	0.117275E-02	-0.126476E-04	
41733.	-0.604445E-03	-0.245189E-04	0.149899E-05	0.385834E-04	0.133684E-02	-0.125483E-04	
41739.	-0.596422E-03	-0.257319E-04	0.149954E-05	0.380027E-04	0.139138E-02	-0.125044E-04	
41741.	-0.588315E-03	-0.269222E-04	0.150208E-05	0.372638E-04	0.144603E-02	-0.124674E-04	
41743.	-0.580316E-03	-0.280824E-04	0.149629E-05	0.363936E-04	0.150030E-02	-0.123775E-04	
41745.	-0.573102E-03	-0.291716E-04	0.139399E-05	0.354685E-04	0.155381E-02	-0.121003E-04	
41747.	-0.566318E-03	-0.302311E-04	0.126446E-05	0.344872E-04	0.160582E-02	-0.117226E-04	
41749.	-0.559829E-03	-0.312675E-04	0.113388E-05	0.334511E-04	0.165591E-02	-0.112884E-04	
41751.	-0.553591E-03	-0.322785E-04	0.101471E-05	0.323652E-04	0.170384E-02	-0.108114E-04	
41753.	-0.547593E-03	-0.332598E-04	0.914193E-06	0.312336E-04	0.174943E-02	-0.102948E-04	
41755.	-0.541805E-03	-0.342023E-04	0.836827E-06	0.300681E-04	0.179243E-02	-0.974224E-05	
41757.	-0.536282E-03	-0.350996E-04	0.785067E-06	0.288781E-04	0.183309E-02	-0.915086E-05	
41759.	-0.531058E-03	-0.359438E-04	0.760372E-06	0.276713E-04	0.187120E-02	-0.852693E-05	
41761.	-0.526199E-03	-0.367274E-04	0.763067E-06	0.264563E-04	0.190672E-02	-0.787951E-05	
41763.	-0.521781E-03	-0.374433E-04	0.792434E-06	0.252400E-04	0.193967E-02	-0.722605E-05	
41765.	-0.517832E-03	-0.380858E-04	0.846538E-06	0.240284E-04	0.197004E-02	-0.659435E-05	
41767.	-0.514391E-03	-0.386505E-04	0.921627E-06	0.228272E-04	0.199787E-02	-0.601245E-05	
41769.	-0.511554E-03	-0.391335E-04	0.101314E-05	0.216500E-04	0.202334E-02	-0.544489E-05	
41771.	-0.509386E-03	-0.395328E-04	0.111441E-05	0.205012E-04	0.204631E-02	-0.490400E-05	
41773.	-0.507955E-03	-0.398504E-04	0.121827E-05	0.193919E-04	0.206706E-02	-0.441539E-05	
41775.	-0.507336E-03	-0.400931E-04	0.131369E-05	0.183288E-04	0.208578E-02	-0.400078E-05	
41777.	-0.507619E-03	-0.402758E-04	0.138359E-05	0.173142E-04	0.210280E-02	-0.367016E-05	
41779.	-0.508896E-03	-0.404440E-04	0.140154E-05	0.163320E-04	0.211864E-02	-0.356773E-05	
41781.	-0.511173E-03	-0.406338E-04	0.135303E-05	0.154228E-04	0.213451E-02	-0.355861E-05	
41783.	-0.514550E-03	-0.408055E-04	0.129826E-05	0.146472E-04	0.215045E-02	-0.353666E-05	
41785.	-0.519036E-03	-0.409642E-04	0.123757E-05	0.140119E-04	0.216649E-02	-0.350254E-05	
41787.	-0.524645E-03	-0.411154E-04	0.117160E-05	0.135215E-04	0.218260E-02	-0.346188E-05	
41789.	-0.531361E-03	-0.412637E-04	0.110154E-05	0.131800E-04	0.219888E-02	-0.342157E-05	
41791.	-0.539171E-03	-0.414155E-04	0.102850E-05	0.129873E-04	0.221532E-02	-0.339230E-05	
41793.	-0.548023E-03	-0.415763E-04	0.953480E-06	0.129422E-04	0.223191E-02	-0.338211E-05	
41795.	-0.557875E-03	-0.417528E-04	0.878018E-06	0.130423E-04	0.224868E-02	-0.339518E-05	

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EPOCH	PERIGEE	NODE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
41797.	-0.566640E-03	-0.419499E-04	0.803369E-06	0.132851E-04	0.226562E-02	-0.342883E-05
41799.	-0.579793E-03	-0.421500E-04	0.687716E-06	0.136473E-04	0.228276E-02	-0.353166E-05
41801.	-0.590965E-03	-0.423737E-04	0.514749E-06	0.141063E-04	0.230044E-02	-0.371806E-05
41803.	-0.602109E-03	-0.426562E-04	0.323716E-06	0.146565E-04	0.231898E-02	-0.395914E-05
41805.	-0.613367E-03	-0.430080E-04	0.130508E-06	0.152887E-04	0.233865E-02	-0.423869E-05
41807.	-0.624614E-03	-0.434322E-04	-0.543621E-07	0.159943E-04	0.235964E-02	-0.454467E-05
41809.	-0.635772E-03	-0.439279E-04	-0.223235E-06	0.167657E-04	0.238213E-02	-0.487022E-05
41811.	-0.646755E-03	-0.444920E-04	-0.370434E-06	0.175960E-04	0.240625E-02	-0.521352E-05
41813.	-0.657488E-03	-0.451195E-04	-0.491815E-06	0.184796E-04	0.243212E-02	-0.557212E-05
41815.	-0.667903E-03	-0.458050E-04	-0.584489E-06	0.194106E-04	0.245983E-02	-0.596801E-05
41817.	-0.677977E-03	-0.465418E-04	-0.646521E-06	0.203848E-04	0.248948E-02	-0.641809E-05
41819.	-0.687590E-03	-0.473244E-04	-0.677602E-06	0.213954E-04	0.252102E-02	-0.689171E-05
41821.	-0.696609E-03	-0.481468E-04	-0.678336E-06	0.224313E-04	0.255483E-02	-0.738621E-05
41823.	-0.705378E-03	-0.490036E-04	-0.649858E-06	0.235368E-04	0.259080E-02	-0.791249E-05
41825.	-0.712960E-03	-0.498880E-04	-0.595106E-06	0.246096E-04	0.262885E-02	-0.847902E-05
41827.	-0.719716E-03	-0.507947E-04	-0.516930E-06	0.256949E-04	0.266908E-02	-0.906659E-05
41829.	-0.725655E-03	-0.517189E-04	-0.419608E-06	0.267904E-04	0.271151E-02	-0.965073E-05
41831.	-0.730276E-03	-0.526565E-04	-0.307973E-06	0.278918E-04	0.275617E-02	-0.102177E-04
41833.	-0.733941E-03	-0.536050E-04	-0.187294E-06	0.289935E-04	0.280306E-02	-0.107619E-04
41835.	-0.736391E-03	-0.545631E-04	-0.630383E-07	0.300904E-04	0.285215E-02	-0.112825E-04
41837.	-0.737522E-03	-0.555310E-04	-0.594164E-07	0.311779E-04	0.290342E-02	-0.117814E-04
41839.	-0.737236E-03	-0.565101E-04	0.175086E-06	0.322517E-04	0.295681E-02	-0.122620E-04
41841.	-0.735462E-03	-0.575036E-04	0.279635E-06	0.333073E-04	0.301225E-02	-0.127300E-04
41843.	-0.732159E-03	-0.585149E-04	0.369745E-06	0.343390E-04	0.306966E-02	-0.131913E-04
41845.	-0.727316E-03	-0.595508E-04	0.443755E-06	0.353438E-04	0.312897E-02	-0.136666E-04
41847.	-0.720964E-03	-0.606133E-04	0.498595E-06	0.363082E-04	0.319035E-02	-0.141265E-04
41849.	-0.713142E-03	-0.617064E-04	0.533700E-06	0.372310E-04	0.325298E-02	-0.145716E-04
41851.	-0.703996E-03	-0.628348E-04	0.550078E-06	0.380997E-04	0.331757E-02	-0.150379E-04
41853.	-0.693606E-03	-0.640048E-04	0.549181E-06	0.389157E-04	0.338378E-02	-0.154928E-04
41855.	-0.682089E-03	-0.652207E-04	0.534094E-06	0.396792E-04	0.345156E-02	-0.159220E-04
41859.	-0.656216E-03	-0.677990E-04	0.478398E-06	0.410563E-04	0.359158E-02	-0.166559E-04
41863.	-0.627501E-03	-0.705700E-04	0.421610E-06	0.422426E-04	0.373711E-02	-0.172069E-04
41865.	-0.612364E-03	-0.720206E-04	0.404478E-06	0.427665E-04	0.381174E-02	-0.174351E-04
41867.	-0.596841E-03	-0.735086E-04	0.399875E-06	0.432474E-04	0.388751E-02	-0.176462E-04
41869.	-0.581011E-03	-0.750284E-04	0.410268E-06	0.436895E-04	0.396433E-02	-0.178662E-04
41871.	-0.565003E-03	-0.765740E-04	0.436794E-06	0.440933E-04	0.404213E-02	-0.180826E-04
41873.	-0.548974E-03	-0.781387E-04	0.479972E-06	0.444575E-04	0.412118E-02	-0.182785E-04
41875.	-0.532983E-03	-0.797151E-04	0.538687E-06	0.447840E-04	0.420070E-02	-0.184512E-04
41877.	-0.517176E-03	-0.812972E-04	0.610819E-06	0.450721E-04	0.428095E-02	-0.186163E-04
41879.	-0.50165-E-03	-0.828793E-04	0.691605E-06	0.453206E-04	0.436184E-02	-0.187854E-04
41881.	-0.486400E-03	-0.844547E-04	0.771386E-06	0.455281E-04	0.444288E-02	-0.189257E-04
41883.	-0.471448E-03	-0.860200E-04	0.833706E-06	0.456918E-04	0.452467E-02	-0.190227E-04
41885.	-0.456474E-03	-0.875774E-04	0.827450E-06	0.458109E-04	0.460659E-02	-0.190435E-04
41887.	-0.442012E-03	-0.891497E-04	0.739624E-06	0.458746E-04	0.468859E-02	-0.190477E-04
41889.	-0.429188E-03	-0.907365E-04	0.645553E-06	0.458751E-04	0.477090E-02	-0.190338E-04

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EPOCH	PERIGEE	NODE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
41891.	-0.418139E-03	-0.923366E-04	0.546540E-06	0.458108E-04	0.485354E-02	-0.190092E-04
41893.	-0.408971E-03	-0.939491E-04	0.443932E-06	0.456803E-04	0.493651E-02	-0.189841E-04
41895.	-0.401765E-03	-0.955729E-04	0.338658E-06	0.454836E-04	0.501981E-02	-0.189663E-04
41897.	-0.396588E-03	-0.972070E-04	0.231275E-06	0.452213E-04	0.510344E-02	-0.189589E-04
41899.	-0.393492E-03	-0.988508E-04	0.122492E-06	0.448951E-04	0.518776E-02	-0.189611E-04
41901.	-0.392498E-03	-0.100505E-03	0.134136E-07	0.445053E-04	0.527203E-02	-0.189705E-04
41903.	-0.393614E-03	-0.102169E-03	0.947301E-07	0.443537E-04	0.535659E-02	-0.189819E-04
41905.	-0.396845E-03	-0.103834E-03	0.200773E-06	0.435426E-04	0.544179E-02	-0.189898E-04
41907.	-0.402090E-03	-0.105511E-03	0.303400E-06	0.429735E-04	0.552691E-02	-0.189867E-04
41909.	-0.409272E-03	-0.107188E-03	0.404604E-06	0.423524E-04	0.561225E-02	-0.189696E-04
41911.	-0.417689E-03	-0.108846E-03	0.577025E-06	0.417334E-04	0.569712E-02	-0.187782E-04
41913.	-0.427110E-03	-0.110502E-03	0.783133E-06	0.411143E-04	0.578157E-02	-0.184961E-04
41915.	-0.437498E-03	-0.112166E-03	0.991336E-06	0.404872E-04	0.586503E-02	-0.181770E-04
41917.	-0.448779E-03	-0.113836E-03	0.118706E-05	0.398505E-04	0.594741E-02	-0.178572E-04
41919.	-0.460872E-03	-0.115508E-03	0.136090E-05	0.392047E-04	0.602865E-02	-0.175609E-04
41921.	-0.473631E-03	-0.117179E-03	0.150817E-05	0.385571E-04	0.610903E-02	-0.172632E-04
41923.	-0.486993E-03	-0.118842E-03	0.162456E-05	0.379101E-04	0.618789E-02	-0.169698E-04
41925.	-0.500806E-03	-0.120490E-03	0.170776E-05	0.372703E-04	0.626555E-02	-0.167035E-04
41927.	-0.514972E-03	-0.122115E-03	0.175555E-05	0.366437E-04	0.634202E-02	-0.164703E-04
41929.	-0.529459E-03	-0.123712E-03	0.176864E-05	0.360362E-04	0.641732E-02	-0.162504E-04
41931.	-0.544125E-03	-0.125274E-03	0.174664E-05	0.354532E-04	0.649148E-02	-0.160351E-04
41933.	-0.558937E-03	-0.126793E-03	0.169171E-05	0.348998E-04	0.656455E-02	-0.158196E-04
41935.	-0.573771E-03	-0.128264E-03	0.160648E-05	0.343823E-04	0.663657E-02	-0.156028E-04
41937.	-0.588524E-03	-0.129682E-03	0.149447E-05	0.339078E-04	0.670760E-02	-0.153871E-04
41939.	-0.603101E-03	-0.131042E-03	0.136007E-05	0.334843E-04	0.677773E-02	-0.151783E-04
41941.	-0.617418E-03	-0.132344E-03	0.120864E-05	0.331204E-04	0.684706E-02	-0.149859E-04
41943.	-0.631418E-03	-0.133587E-03	0.104673E-05	0.328248E-04	0.691543E-02	-0.148226E-04
41945.	-0.644994E-03	-0.134776E-03	0.881726E-06	0.326058E-04	0.698355E-02	-0.147044E-04
41947.	-0.658095E-03	-0.135919E-03	0.722867E-06	0.324711E-04	0.705130E-02	-0.146481E-04
41949.	-0.670622E-03	-0.137033E-03	0.581025E-06	0.324301E-04	0.711884E-02	-0.146514E-04
41951.	-0.682506E-03	-0.138144E-03	0.466322E-06	0.324958E-04	0.718634E-02	-0.146965E-04
41953.	-0.693758E-03	-0.139305E-03	0.392207E-06	0.326857E-04	0.725385E-02	-0.147480E-04
41955.	-0.705004E-03	-0.140474E-03	0.325997E-06	0.330020E-04	0.732118E-02	-0.147949E-04
41957.	-0.712032E-03	-0.141640E-03	0.262064E-06	0.334440E-04	0.738831E-02	-0.148379E-04
41959.	-0.718868E-03	-0.142810E-03	0.201691E-06	0.340108E-04	0.745526E-02	-0.148691E-04
41961.	-0.724136E-03	-0.143986E-03	0.145934E-06	0.346997E-04	0.752204E-02	-0.148850E-04
41963.	-0.727824E-03	-0.145174E-03	0.954985E-07	0.355066E-04	0.758866E-02	-0.148869E-04
41965.	-0.729918E-03	-0.146377E-03	0.506628E-07	0.364267E-04	0.765512E-02	-0.148796E-04
41967.	-0.730506E-03	-0.147568E-03	0.525431E-07	0.374089E-04	0.772165E-02	-0.149977E-04
41969.	-0.729699E-03	-0.148768E-03	0.116897E-06	0.384191E-04	0.778909E-02	-0.152847E-04
41971.	-0.727594E-03	-0.150023E-03	0.211350E-06	0.394689E-04	0.785796E-02	-0.156761E-04
41973.	-0.724280E-03	-0.151351E-03	0.321327E-06	0.405509E-04	0.792890E-02	-0.161324E-04
41991.	-0.652764E-03	-0.166532E-03	0.787304E-06	0.505241E-04	0.865047E-02	-0.209000E-04
41993.	-0.641247E-03	-0.168463E-03	0.733751E-06	0.515156E-04	0.875270E-02	-0.213255E-04
41995.	-0.629122E-03	-0.170413E-03	0.663104E-06	0.524534E-04	0.884689E-02	-0.217321E-04

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EPOCH	PERIGEE	NODE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
41997.	-0.616367E-03	-0.172376E-03	-0.579703E-06	0.533331E-04	0.894289E-02	-0.221330E-04
41999.	-0.602010E-03	-0.174348E-03	-0.489359E-06	0.541393E-04	0.904053E-02	-0.225070E-04
42001.	-0.589095E-03	-0.176322E-03	-0.398126E-06	0.548641E-04	0.914006E-02	-0.228362E-04
42003.	-0.574589E-03	-0.178296E-03	-0.311840E-06	0.554972E-04	0.924040E-02	-0.231217E-04
42005.	-0.559559E-03	-0.180274E-03	-0.234771E-06	0.560269E-04	0.934130E-02	-0.233918E-04
42007.	-0.544028E-03	-0.182251E-03	-0.173437E-06	0.564424E-04	0.944340E-02	-0.236093E-04
42009.	-0.523303E-03	-0.184208E-03	-0.121283E-06	0.568883E-04	0.954528E-02	-0.237916E-04
42011.	-0.490541E-03	-0.186110E-03	-0.786777E-07	0.571372E-04	0.964587E-02	-0.239368E-04
42013.	-0.457412E-03	-0.188012E-03	-0.770053E-07	0.572003E-04	0.974669E-02	-0.239516E-04
42015.	-0.424258E-03	-0.199910E-03	-0.116103E-06	0.569990E-04	0.984735E-02	-0.238377E-04
42017.	-0.391347E-03	-0.191804E-03	-0.194010E-06	0.565456E-04	0.994745E-02	-0.236042E-04
42019.	-0.358853E-03	-0.193697E-03	-0.305466E-06	0.558539E-04	0.100466E-01	-0.232632E-04
42021.	-0.326863E-03	-0.195591E-03	-0.441231E-06	0.549444E-04	0.101442E-01	-0.228375E-04
42023.	-0.295406E-03	-0.197450E-03	-0.589357E-06	0.538396E-04	0.102401E-01	-0.223522E-04
42025.	-0.264613E-03	-0.199390E-03	-0.738025E-06	0.525604E-04	0.103341E-01	-0.217804E-04
42027.	-0.234463E-03	-0.201287E-03	-0.878377E-06	0.511263E-04	0.104251E-01	-0.211345E-04
42029.	-0.205038E-03	-0.203170E-03	-0.996247E-06	0.495606E-04	0.105131E-01	-0.204511E-04
42031.	-0.176394E-03	-0.205028E-03	-0.108306E-05	0.478615E-04	0.105981E-01	-0.197382E-04
42033.	-0.148367E-03	-0.206848E-03	-0.113143E-05	0.461052E-04	0.106797E-01	-0.189861E-04
42035.	-0.121613E-03	-0.208617E-03	-0.113610E-05	0.442490E-04	0.107578E-01	-0.181925E-04
42037.	-0.961014E-04	-0.210316E-03	-0.109326E-05	0.423711E-04	0.108319E-01	-0.173752E-04
42039.	-0.710961E-04	-0.211932E-03	-0.106609E-05	0.404105E-04	0.109016E-01	-0.164994E-04
42041.	-0.472024E-04	-0.213447E-03	-0.87076E-05	0.384233E-04	0.109696E-01	-0.155908E-04
42043.	-0.245823E-04	-0.214849E-03	-0.691470E-06	0.364276E-04	0.110328E-01	-0.146637E-04
42045.	-0.336302E-05	-0.216123E-03	-0.47581E-06	0.344354E-04	0.110923E-01	-0.137429E-04
42051.	0.509502E-04	-0.219111E-03	0.191052E-06	0.285886E-04	0.112505E-01	-0.114332E-04
42053.	0.662224E-04	-0.219850E-03	0.227002E-06	0.266122E-04	0.112982E-01	-0.109839E-04
42055.	0.791917E-04	-0.220562E-03	0.132959E-06	0.248363E-04	0.113449E-01	-0.109760E-04
42057.	0.889823E-04	-0.221239E-03	0.277912E-07	0.232354E-04	0.113921E-01	-0.109779E-04
42059.	0.954816E-04	-0.221889E-03	-0.88331E-07	0.218671E-04	0.114397E-01	-0.109824E-04
42061.	0.986106E-04	-0.222521E-03	-0.215184E-06	0.207455E-04	0.114878E-01	-0.109835E-04
42063.	0.983215E-04	-0.223143E-03	-0.352500E-06	0.198815E-04	0.115365E-01	-0.109759E-04
42072.	0.555197E-04	-0.226101E-03	-0.106514E-05	0.193233E-04	0.117616E-01	-0.108571E-04
42074.	0.371724E-04	-0.226850E-03	-0.122970E-05	0.199338E-04	0.118136E-01	-0.108527E-04
42076.	0.156147E-04	-0.227643E-03	-0.140795E-05	0.208108E-04	0.118659E-01	-0.108651E-04
42078.	-0.640352E-05	-0.228460E-03	-0.173607E-05	0.218197E-04	0.119187E-01	-0.111447E-04
42080.	-0.287949E-04	-0.229380E-03	-0.212520E-05	0.229553E-04	0.119732E-01	-0.115823E-04
42082.	-0.524962E-04	-0.230427E-03	-0.253070E-05	0.242540E-04	0.120300E-01	-0.121268E-04
42084.	-0.768593E-04	-0.231614E-03	-0.291547E-05	0.256792E-04	0.120895E-01	-0.127372E-04
42086.	-0.101749E-03	-0.232941E-03	-0.326065E-05	0.272166E-04	0.121518E-01	-0.133930E-04
42088.	-0.126951E-03	-0.234400E-03	-0.355341E-05	0.288526E-04	0.122172E-01	-0.140788E-04
42090.	-0.152256E-03	-0.235981E-03	-0.378459E-05	0.305737E-04	0.122858E-01	-0.147836E-04
42092.	-0.177448E-03	-0.237672E-03	-0.394784E-05	0.323670E-04	0.123577E-01	-0.155043E-04
42094.	-0.202277E-03	-0.239459E-03	-0.403916E-05	0.342228E-04	0.124331E-01	-0.162434E-04
42096.	-0.226602E-03	-0.241327E-03	-0.405676E-05	0.361261E-04	0.125119E-01	-0.170055E-04

GEOS-A RADIATION PRESSURE PERTURBATIONS

EPOCH	PERIGEE	NODE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
42098.	-0.250168E-03	-0.243263E-03	-0.400099E-05	0.380706E-04	0.125942E-01	-0.178117E-04
42100.	-0.272289E-03	-0.245250E-03	-0.387793E-05	0.400033E-04	0.126796E-01	-0.186424E-04
42102.	-0.293712E-03	-0.247276E-03	-0.368700E-05	0.419913E-04	0.127695E-01	-0.195069E-04
42104.	-0.313661E-03	-0.249326E-03	-0.343690E-05	0.439895E-04	0.128625E-01	-0.203808E-04
42106.	-0.332801E-03	-0.251390E-03	-0.312407E-05	0.460709E-04	0.129594E-01	-0.213182E-04
42108.	-0.349130E-03	-0.253462E-03	-0.278389E-05	0.480593E-04	0.130597E-01	-0.222460E-04
42110.	-0.363254E-03	-0.255536E-03	-0.241963E-05	0.500384E-04	0.131634E-01	-0.231523E-04
42112.	-0.374913E-03	-0.257611E-03	-0.204698E-05	0.520061E-04	0.132705E-01	-0.240030E-04
42114.	-0.383800E-03	-0.259699E-03	-0.169308E-05	0.539622E-04	0.133805E-01	-0.247562E-04
42118.	-0.391421E-03	-0.264109E-03	-0.114613E-05	0.576919E-04	0.136069E-01	-0.255991E-04
42120.	-0.388998E-03	-0.266473E-03	-0.951441E-06	0.598206E-04	0.137208E-01	-0.256012E-04
42122.	-0.382247E-03	-0.268848E-03	-0.752280E-06	0.616257E-04	0.138340E-01	-0.256041E-04
42126.	-0.355835E-03	-0.273618E-03	-0.350153E-06	0.648446E-04	0.140593E-01	-0.256417E-04
42128.	-0.336330E-03	-0.276007E-03	-0.152178E-06	0.662521E-04	0.141708E-01	-0.256837E-04
42130.	-0.313322E-03	-0.278394E-03	0.364423E-07	0.674950E-04	0.142813E-01	-0.257405E-04
42132.	-0.286295E-03	-0.280709E-03	0.221831E-06	0.686136E-04	0.143918E-01	-0.259250E-04
42134.	-0.257684E-03	-0.283044E-03	0.246565E-06	0.695325E-04	0.145031E-01	-0.261828E-04
42136.	-0.227903E-03	-0.285320E-03	0.168818E-06	0.702742E-04	0.146151E-01	-0.264661E-04
42138.	-0.196366E-03	-0.287649E-03	0.382853E-07	0.708644E-04	0.147281E-01	-0.267089E-04
42140.	-0.163985E-03	-0.290041E-03	0.115200E-06	0.713184E-04	0.148418E-01	-0.268853E-04
42142.	-0.130360E-03	-0.292501E-03	0.270282E-06	0.716462E-04	0.149561E-01	-0.269893E-04
42144.	-0.959808E-04	-0.295014E-03	0.411637E-06	0.718543E-04	0.150708E-01	-0.270277E-04
42146.	-0.606169E-04	-0.297568E-03	0.328481E-06	0.719477E-04	0.151857E-01	-0.270141E-04
42148.	-0.428941E-04	-0.300143E-03	0.52851E-06	0.719413E-04	0.153034E-01	-0.269730E-04
42150.	-0.246149E-04	-0.302721E-03	0.599067E-06	0.718832E-04	0.154209E-01	-0.269345E-04
42152.	-0.677579E-05	-0.305301E-03	0.606856E-06	0.717727E-04	0.155387E-01	-0.268676E-04
42154.	0.111584E-04	-0.307873E-03	0.596755E-06	0.716087E-04	0.156556E-01	-0.267730E-04
42156.	0.286411E-04	-0.310421E-03	0.570522E-06	0.713906E-04	0.157721E-01	-0.266555E-04
42158.	0.460997E-04	-0.312941E-03	0.530349E-06	0.711188E-04	0.158881E-01	-0.265518E-04
42160.	0.526820E-04	-0.315429E-03	0.480691E-06	0.707878E-04	0.160034E-01	-0.264235E-04
42162.	0.791061E-04	-0.317878E-03	0.426776E-06	0.703931E-04	0.161173E-01	-0.262617E-04
42164.	0.946364E-04	-0.320285E-03	0.374487E-06	0.699339E-04	0.162309E-01	-0.260512E-04
42166.	0.109364E-03	-0.322649E-03	0.330176E-06	0.694078E-04	0.163435E-01	-0.257861E-04
42168.	0.123141E-03	-0.324972E-03	0.299904E-06	0.688127E-04	0.164549E-01	-0.254689E-04
42170.	0.135809E-03	-0.327255E-03	0.288535E-06	0.681458E-04	0.165652E-01	-0.251105E-04
42172.	0.147219E-03	-0.329505E-03	0.298980E-06	0.674060E-04	0.166743E-01	-0.247259E-04
42174.	0.157237E-03	-0.331726E-03	0.331856E-06	0.665948E-04	0.167820E-01	-0.243297E-04
42176.	0.165776E-03	-0.333923E-03	0.385627E-06	0.657167E-04	0.168884E-01	-0.239446E-04
42178.	0.172716E-03	-0.336097E-03	0.459251E-06	0.647829E-04	0.169938E-01	-0.235441E-04
42180.	0.178033E-03	-0.338248E-03	0.551015E-06	0.638020E-04	0.170972E-01	-0.231225E-04
42182.	0.181755E-03	-0.340377E-03	0.658240E-06	0.627866E-04	0.171986E-01	-0.226922E-04
42184.	0.183953E-03	-0.342491E-03	0.778235E-06	0.617421E-04	0.172986E-01	-0.222414E-04
42186.	0.184723E-03	-0.344592E-03	0.906924E-06	0.606737E-04	0.173964E-01	-0.217680E-04
42188.	0.184182E-03	-0.346684E-03	0.103863E-05	0.595857E-04	0.174920E-01	-0.212695E-04
42190.	0.182457E-03	-0.348768E-03	0.116767E-05	0.584820E-04	0.175855E-01	-0.207449E-04

GEOS-A RADIATION PRESSURE PERTURBATIONS
EPOCH PERIGEE NODE INCLINATION

EPOCH	PERIGEE	NODE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
42192.	0.179674E-03	-0.350841E-03	-0.128820E-05	0.573671E-04	0.176767E-01	-0.201936E-04
42194.	0.175949E-03	-0.352902E-03	-0.139464E-05	0.562443E-04	0.177653E-01	-0.196196E-04
42196.	0.171380E-03	-0.354947E-03	-0.148198E-05	0.551232E-04	0.178520E-01	-0.190242E-04
42198.	0.166043E-03	-0.356970E-03	-0.154581E-05	0.540062E-04	0.179363E-01	-0.184237E-04
42200.	0.161025E-03	-0.358966E-03	-0.158252E-05	0.528965E-04	0.180184E-01	-0.178421E-04
42202.	0.153424E-03	-0.360930E-03	-0.158953E-05	0.517946E-04	0.180982E-01	-0.173146E-04
42204.	0.146360E-03	-0.362855E-03	-0.156358E-05	0.507127E-04	0.181761E-01	-0.167968E-04
42206.	0.138908E-03	-0.364733E-03	-0.151007E-05	0.496532E-04	0.182515E-01	-0.162948E-04
42208.	0.131168E-03	-0.366560E-03	-0.142325E-05	0.486240E-04	0.183247E-01	-0.158123E-04
42210.	0.123271E-03	-0.368330E-03	-0.130620E-05	0.476343E-04	0.183958E-01	-0.153857E-04
42212.	0.115237E-03	-0.370037E-03	-0.116206E-05	0.466873E-04	0.184649E-01	-0.149839E-04
42214.	0.107133E-03	-0.371676E-03	-0.995021E-05	0.457886E-04	0.185321E-01	-0.146040E-04
42216.	0.990298E-04	-0.373242E-03	-0.811086E-05	0.449452E-04	0.185974E-01	-0.142458E-04
42218.	0.910216E-04	-0.374735E-03	-0.619056E-05	0.441564E-04	0.186611E-01	-0.139172E-04
42220.	0.831151E-04	-0.376156E-03	-0.433101E-05	0.434331E-04	0.187234E-01	-0.136366E-04
42222.	0.753610E-04	-0.377517E-03	-0.284924E-05	0.427730E-04	0.187846E-01	-0.134542E-04
42224.	0.678588E-04	-0.378848E-03	-0.213610E-05	0.421832E-04	0.188451E-01	-0.134097E-04
42226.	0.612717E-04	-0.380148E-03	-0.140428E-05	0.417250E-04	0.189056E-01	-0.133671E-04
42228.	0.491967E-04	-0.381289E-03	0.459623E-07	0.411799E-04	0.190561E-01	-0.133221E-04
42230.	0.462737E-04	-0.384513E-03	0.116731E-06	0.412079E-04	0.191159E-01	-0.133328E-04
42232.	0.444933E-04	-0.385731E-03	0.181684E-06	0.413781E-04	0.191755E-01	-0.133527E-04
42234.	0.438774E-04	-0.386949E-03	0.240974E-06	0.416598E-04	0.192349E-01	-0.133743E-04
42236.	0.441064E-04	-0.389400E-03	0.342428E-06	0.427197E-04	0.193558E-01	-0.133972E-04
42238.	0.469256E-04	-0.390645E-03	0.384867E-06	0.434304E-04	0.194148E-01	-0.13372E-04
42240.	0.505229E-04	-0.391915E-03	0.421685E-06	0.442607E-04	0.194737E-01	-0.133906E-04
42242.	0.537229E-04	-0.393200E-03	0.429066E-06	0.451825E-04	0.195326E-01	-0.134443E-04
42244.	0.569491E-04	-0.394516E-03	0.343997E-06	0.461158E-04	0.195923E-01	-0.137153E-04
42246.	0.603825E-04	-0.395893E-03	0.230455E-06	0.470793E-04	0.196536E-01	-0.140994E-04
42248.	0.638825E-04	-0.397341E-03	0.112091E-06	0.480710E-04	0.197169E-01	-0.145474E-04
42250.	0.675189E-04	-0.398860E-03	0.991264E-09	0.490879E-04	0.197816E-01	-0.150236E-04
42252.	0.713513E-04	-0.400449E-03	-0.956774E-07	0.501202E-04	0.198488E-01	-0.155247E-04
42254.	0.753189E-04	-0.402102E-03	-0.172879E-06	0.511589E-04	0.199181E-01	-0.160779E-04
42256.	0.794513E-04	-0.403815E-03	-0.226654E-06	0.521993E-04	0.199895E-01	-0.166442E-04
42258.	0.837098E-04	-0.405582E-03	-0.255471E-06	0.532353E-04	0.200632E-01	-0.172043E-04
42260.	0.880544E-04	-0.407396E-03	-0.259032E-06	0.542606E-04	0.201392E-01	-0.177400E-04
42262.	0.925340E-04	-0.409249E-03	-0.238082E-06	0.552671E-04	0.202172E-01	-0.182423E-04
42264.	0.971459E-04	-0.411134E-03	-0.194244E-06	0.562455E-04	0.202975E-01	-0.187084E-04
42266.	0.1017051E-03	-0.413045E-03	-0.130014E-06	0.571866E-04	0.203798E-01	-0.191387E-04
42268.	0.116098E-03	-0.414973E-03	-0.488629E-07	0.580815E-04	0.204640E-01	-0.195356E-04
42270.	0.125544E-03	-0.416914E-03	0.445940E-07	0.589221E-04	0.205501E-01	-0.199031E-04
42272.	0.135340E-03	-0.418864E-03	0.144233E-06	0.597001E-04	0.206378E-01	-0.202373E-04
42274.	0.145459E-03	-0.420822E-03	0.242168E-06	0.604078E-04	0.207270E-01	-0.205392E-04
42276.	0.155892E-03	-0.422792E-03	0.329346E-06	0.610338E-04	0.208177E-01	-0.207934E-04
42278.	0.166649E-03	-0.424783E-03	0.396682E-06	0.615658E-04	0.209089E-01	-0.209750E-04
42280.	0.177751E-03	-0.426814E-03	0.438116E-06	0.619906E-04	0.210006E-01	-0.211018E-04
42282.	0.189234E-03	-0.428822E-03	0.445940E-07	0.589221E-04	0.205501E-01	-0.199031E-04
42284.	0.201152E-03	-0.430822E-03	0.144233E-06	0.597001E-04	0.206378E-01	-0.202373E-04
42286.	0.213522E-03	-0.432792E-03	0.242168E-06	0.604078E-04	0.207270E-01	-0.205392E-04
42288.	0.226453E-03	-0.434783E-03	0.329346E-06	0.610338E-04	0.208177E-01	-0.207934E-04
42290.	0.240016E-03	-0.436814E-03	0.396682E-06	0.615658E-04	0.209089E-01	-0.209750E-04
42292.	0.254089E-03	-0.438822E-03	0.445940E-07	0.589221E-04	0.205501E-01	-0.199031E-04
42294.	0.268772E-03	-0.440822E-03	0.144233E-06	0.597001E-04	0.206378E-01	-0.202373E-04
42296.	0.284065E-03	-0.442792E-03	0.242168E-06	0.604078E-04	0.207270E-01	-0.205392E-04
42298.	0.299978E-03	-0.444783E-03	0.329346E-06	0.610338E-04	0.208177E-01	-0.207934E-04
42300.	0.316511E-03	-0.446814E-03	0.396682E-06	0.615658E-04	0.209089E-01	-0.209750E-04
42302.	0.333674E-03	-0.448822E-03	0.445940E-07	0.589221E-04	0.205501E-01	-0.199031E-04
42304.	0.351467E-03	-0.450822E-03	0.144233E-06	0.597001E-04	0.206378E-01	-0.202373E-04
42306.	0.369890E-03	-0.452792E-03	0.242168E-06	0.604078E-04	0.207270E-01	-0.205392E-04
42308.	0.388943E-03	-0.454783E-03	0.329346E-06	0.610338E-04	0.208177E-01	-0.207934E-04
42310.	0.408626E-03	-0.456814E-03	0.396682E-06	0.615658E-04	0.209089E-01	-0.209750E-04
42312.	0.428939E-03	-0.458822E-03	0.445940E-07	0.589221E-04	0.205501E-01	-0.199031E-04
42314.	0.449882E-03	-0.460822E-03	0.144233E-06	0.597001E-04	0.206378E-01	-0.202373E-04
42316.	0.471455E-03	-0.462792E-03	0.242168E-06	0.604078E-04	0.207270E-01	-0.205392E-04
42318.	0.493668E-03	-0.464783E-03	0.329346E-06	0.610338E-04	0.208177E-01	-0.207934E-04
42320.	0.516521E-03	-0.466814E-03	0.396682E-06	0.615658E-04	0.209089E-01	-0.209750E-04
42322.	0.540024E-03	-0.468822E-03	0.445940E-07	0.589221E-04	0.205501E-01	-0.199031E-04
42324.	0.564177E-03	-0.470822E-03	0.144233E-06	0.597001E-04	0.206378E-01	-0.202373E-04
42326.	0.588990E-03	-0.472792E-03	0.242168E-06	0.604078E-04	0.207270E-01	-0.205392E-04
42328.	0.614463E-03	-0.474783E-03	0.329346E-06	0.610338E-04	0.208177E-01	-0.207934E-04
42330.	0.640606E-03	-0.476814E-03	0.396682E-06	0.615658E-04	0.209089E-01	-0.209750E-04
42332.	0.667419E-03	-0.478822E-03	0.445940E-07	0.589221E-04	0.205501E-01	-0.199031E-04
42334.	0.694902E-03	-0.480822E-03	0.144233E-06	0.597001E-04	0.206378E-01	-0.202373E-04
42336.	0.723065E-03	-0.482792E-03	0.242168E-06	0.604078E-04	0.207270E-01	-0.205392E-04
42338.	0.751908E-03	-0.484783E-03	0.329346E-06	0.610338E-04	0.208177E-01	-0.207934E-04
42340.	0.781431E-03	-0.486814E-03	0.396682E-06	0.615658E-04	0.209089E-01	-0.209750E-04
42342.	0.811644E-03	-0.488822E-03	0.445940E-07	0.589221E-04	0.205501E-01	-0.199031E-04
42344.	0.842557E-03	-0.490822E-03	0.144233E-06	0.597001E-04	0.206378E-01	-0.202373E-04
42346.	0.874180E-03	-0.492792E-03	0.242168E-06	0.604078E-04	0.207270E-01	-0.205392E-04
42348.	0.906513E-03	-0.494783E-03	0.329346E-06	0.610338E-04	0.208177E-01	-0.207934E-04
42350.	0.939556E-03	-0.496814E-03	0.396682E-06	0.615658E-04	0.209089E-01	-0.209750E-04
42352.	0.973309E-03	-0.498822E-03	0.445940E-07	0.589221E-04	0.205501E-01	-0.199031E-04
42354.	0.100783E-02	-0.500822E-03	0.144233E-06	0.597001E-04	0.206378E-01	-0.202373E-04
42356.	0.103896E-02	-0.502792E-03	0.242168E-06	0.604078E-04	0.207270E-01	-0.205392E-04
42358.	0.107029E-02	-0.504783E-03	0.329346E-06	0.610338E-04	0.208177E-01	-0.207934E-04
42360.	0.110282E-02	-0.506814E-03	0.396682E-06	0.615658E-04	0.209089E-01	-0.209750E-04
42362.	0.113655E-02	-0.508822E-03	0.445940E-07	0.589221E-04	0.205501E-01	-0.199031E-04
42364.	0.117148E-02	-0.510822E-03	0.144233E-06	0.597001E-04	0.206378E-01	-0.202373E-04
42366.	0.120761E-02	-0.512792E-03	0.242168E-06	0.604078E-04	0.207270E-01	-0.205392E-04
42368.	0.124494E-02	-0.514783E-03	0.329346E-06	0.610338E-04	0.208177E-01	-0.207934E-04
42370.	0.128347E-02	-0.516814E-03	0.396682E-06	0.615658E-04	0.209089E-01	-0.209750E-04
42372.	0.132320E-02	-0.518822E-03	0.445940E-07	0.589221E-04	0.205501E-01	-0.199031E-04
42374.	0.136413E-02	-0.520822E-03	0.144233E-06	0.597001E-04	0.206378E-01	-0.202373E-04
42376.	0.140626E-02	-0.522792E-03	0.242168E-06	0.604078E-04	0.207270E-01	-0.205392E-04
42378.	0.144959E-02	-0.524783E-03	0.329346E-06	0.610338E-04	0.208177E-01	-0.207934E-04
42380.	0.149412E-02	-0.526814E-03	0.396682E-06	0.615658E-04	0.209089E-01	-0.209750E-04
42382.	0.153985E-02	-0.528822E-03	0.445940E-07	0.589221E-04	0.205501E-01	-0.199031E-04
42384.	0.158678E-02	-0.530822E-03	0.144233E-06	0.597001E-04	0.206378E-01	-0.202373E-04
42386.	0.163491E-02	-0.532792E-03	0.242168E-06	0.604078E-04	0.207270E-01	-0.205392E-04
42388.	0.168424E-02	-0.534783E-03	0.329346E-06	0.610338E-04	0.208177E-01	-0.207934E-04
42390.	0.173477E-02	-0.536814E-03	0.396682E-06	0.615658E-04	0.209089E-01	-0.209750E-04
42392.	0.178650E-02	-0.538822E-03	0.445940E-07	0.589221E-04	0.205501E-01	-0.199031E-04
42394.	0.183943E-02	-0.540822E-03	0.144233E-06	0.597001E-04	0.206378E-01	-0.202373E-04
42396.	0.189356E-02	-0.542792E-03	0.242168E-06	0.604078E-04	0.207270E-01	-0.205392E-04
42398.	0.194889E-02	-0.544783E-03	0.329346E-06	0.610338E-04	0.208177E-01	-0.207934E-04
42400.	0.200542E-02	-0.546814E-03	0.396682E-06			

GEOS-A RADIATION PRESSURE PERTURBATIONS
EPOCH PERIGEE NODE INCLINATION

ECCENTRICITY MEAN ANOMALY A

42287.	0.254595E-03	-0.428937E-03	0.446366E-06	0.622957E-04	0.210919E-01	-0.211498E-04
42289.	0.269252E-03	-0.431084E-03	0.452941E-06	0.624495E-04	0.211836E-01	-0.211963E-04
42291.	0.283856E-03	-0.433234E-03	0.460962E-06	0.624476E-04	0.212754E-01	-0.212264E-04
42293.	0.298371E-03	-0.435382E-03	0.469989E-06	0.622902E-04	0.213671E-01	-0.212301E-04
42295.	0.312735E-03	-0.437522E-03	0.479666E-06	0.619789E-04	0.214588E-01	-0.212032E-04
42297.	0.326371E-03	-0.439622E-03	0.475928E-06	0.615298E-04	0.215507E-01	-0.211602E-04
42299.	0.338976E-03	-0.441645E-03	0.414233E-06	0.609692E-04	0.216424E-01	-0.209537E-04
42301.	0.350797E-03	-0.443641E-03	0.321702E-06	0.603065E-04	0.217333E-01	-0.206601E-04
42303.	0.362009E-03	-0.445625E-03	0.213808E-06	0.595511E-04	0.218231E-01	-0.203273E-04
42305.	0.372617E-03	-0.447601E-03	0.995140E-07	0.587151E-04	0.219117E-01	-0.199380E-04
42307.	0.382681E-03	-0.449567E-03	0.123960E-07	0.578060E-04	0.219983E-01	-0.194992E-04
42309.	0.392186E-03	-0.451516E-03	-0.115159E-06	0.568363E-04	0.220829E-01	-0.190439E-04
42311.	0.401130E-03	-0.453443E-03	-0.202643E-06	0.558129E-04	0.221654E-01	-0.185765E-04
42313.	0.409495E-03	-0.455341E-03	-0.270691E-06	0.547416E-04	0.222457E-01	-0.180898E-04
42315.	0.417259E-03	-0.457202E-03	-0.317583E-06	0.536287E-04	0.223237E-01	-0.175793E-04
42317.	0.424395E-03	-0.459016E-03	-0.341641E-06	0.524618E-04	0.223993E-01	-0.170390E-04
42319.	0.430874E-03	-0.460776E-03	-0.343096E-06	0.513074E-04	0.224721E-01	-0.164676E-04
42321.	0.436618E-03	-0.462473E-03	-0.322943E-06	0.501175E-04	0.225427E-01	-0.158619E-04
42323.	0.441558E-03	-0.464100E-03	-0.293045E-06	0.489190E-04	0.226109E-01	-0.152296E-04
42325.	0.445598E-03	-0.465651E-03	-0.226188E-06	0.477196E-04	0.226763E-01	-0.145826E-04
42327.	0.448650E-03	-0.467121E-03	-0.156133E-06	0.465263E-04	0.227397E-01	-0.139419E-04
42329.	0.450657E-03	-0.468503E-03	-0.780101E-07	0.453406E-04	0.228044E-01	-0.133472E-04
42331.	0.451530E-03	-0.469811E-03	0.194580E-08	0.441751E-04	0.228588E-01	-0.127892E-04
42333.	0.449508E-03	-0.472178E-03	0.142439E-06	0.419474E-04	0.229693E-01	-0.117582E-04
42335.	0.441998E-03	-0.474275E-03	0.220798E-06	0.399253E-04	0.230716E-01	-0.109420E-04
42337.	0.438595E-03	-0.476127E-03	0.204867E-06	0.381879E-04	0.231677E-01	-0.102710E-04
42347.	0.409581E-03	-0.477932E-03	0.937152E-07	0.368109E-04	0.232587E-01	-0.967051E-05
42351.	0.395774E-03	-0.479759E-03	-0.101231E-06	0.358373E-04	0.233457E-01	-0.913412E-05
42355.	0.358075E-03	-0.481573E-03	-0.352209E-06	0.352568E-04	0.234303E-01	-0.877263E-05
42359.	0.327394E-03	-0.483511E-03	-0.615538E-06	0.350248E-04	0.235136E-01	-0.862583E-05
42363.	0.294775E-03	-0.485612E-03	-0.843915E-06	0.350899E-04	0.235963E-01	-0.869676E-05
42367.	0.261018E-03	-0.487886E-03	-0.992387E-06	0.354017E-04	0.236800E-01	-0.890719E-05
42371.	0.226873E-03	-0.490311E-03	-0.102872E-05	0.359024E-04	0.237652E-01	-0.914525E-05
42375.	0.193270E-03	-0.492842E-03	-0.932694E-06	0.365359E-04	0.238525E-01	-0.937193E-05
42379.	0.161153E-03	-0.495426E-03	-0.697907E-06	0.372585E-04	0.239421E-01	-0.960106E-05
42383.	0.131293E-03	-0.498008E-03	-0.337523E-06	0.380330E-04	0.240342E-01	-0.989285E-05
42387.	0.104548E-03	-0.500541E-03	0.102535E-06	0.388209E-04	0.241291E-01	-0.102446E-04
42391.	0.811375E-04	-0.503004E-03	0.491929E-06	0.396270E-04	0.242260E-01	-0.105251E-04
42395.	0.645583E-04	-0.505430E-03	0.126298E-06	0.403677E-04	0.243224E-01	-0.105850E-04
42399.	0.570336E-04	-0.507809E-03	0.972854E-06	0.409537E-04	0.244175E-01	-0.105862E-04
42403.	0.589643E-04	-0.510122E-03	0.121325E-05	0.413602E-04	0.245111E-01	-0.105492E-04
42407.	0.703399E-04	-0.512476E-03	0.143973E-05	0.415762E-04	0.246033E-01	-0.107220E-04
42411.	0.906433E-04	-0.514565E-03	0.165394E-05	0.415960E-04	0.246934E-01	-0.105387E-04
42417.	0.134090E-03	-0.517726E-03	0.183270E-05	0.412633E-04	0.248268E-01	-0.106600E-04
42421.	0.165694E-03	-0.519854E-03	0.167706E-05	0.408709E-04	0.249148E-01	-0.104703E-04

GEOL-A RADIATION PRESSURE PERTURBATIONS
EPOCH PERIOD INCLINATION

ECCENTRICITY MEAN ANOMALY A

EPOCH	PERIOD	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
42420.	0.198338E-03	-0.522001E-03	0.403587E-04	0.250007E-01	-0.101094E-04
42429.	0.233632E-03	-0.524155E-03	0.397189E-04	0.250037E-01	-0.096890E-05
42433.	0.260347E-03	-0.526141E-03	0.389456E-04	0.251635E-01	-0.092670E-05
42437.	0.299338E-03	-0.528029E-03	0.380231E-04	0.252393E-01	-0.087801E-05
42441.	0.329911E-03	-0.529749E-03	0.369351E-04	0.253106E-01	-0.083079E-05
42445.	0.357344E-03	-0.531261E-03	0.356401E-04	0.253768E-01	-0.077426E-05
42449.	0.380385E-03	-0.532555E-03	0.341180E-04	0.254379E-01	-0.070341E-05
42452.	0.397673E-03	-0.533863E-03	0.323591E-04	0.254937E-01	-0.062507E-05
42457.	0.407545E-03	-0.535045E-03	0.303943E-04	0.255446E-01	-0.054950E-05
42461.	0.413038E-03	-0.536174E-03	0.283127E-04	0.255902E-01	-0.047116E-05
42465.	0.403677E-03	-0.537251E-03	0.261991E-04	0.256294E-01	-0.038624E-05
42469.	0.394738E-03	-0.538234E-03	0.240924E-04	0.256615E-01	-0.029600E-05
42473.	0.376371E-03	-0.539336E-03	0.220142E-04	0.256849E-01	-0.019851E-05
42477.	0.358345E-03	-0.540465E-03	0.200121E-04	0.257009E-01	-0.009614E-06
42481.	0.334671E-03	-0.541615E-03	0.180516E-04	0.257094E-01	-0.001432E-07
42485.	0.308341E-03	-0.542821E-03	0.163144E-04	0.257108E-01	0.814463E-06
42489.	0.280349E-03	-0.544081E-03	0.147344E-04	0.257059E-01	0.149195E-05
42493.	0.251302E-03	-0.545385E-03	0.134418E-04	0.256904E-01	0.197000E-05
42497.	0.221204E-03	-0.546740E-03	0.124429E-04	0.256734E-01	0.234000E-05
42501.	0.191185E-03	-0.548136E-03	0.118167E-04	0.256573E-01	0.261000E-05
42505.	0.163185E-03	-0.549580E-03	0.116298E-04	0.256378E-01	0.274000E-05
42509.	0.136364E-03	-0.551073E-03	0.119451E-04	0.256181E-01	0.267000E-05
42513.	0.111805E-03	-0.552611E-03	0.128032E-04	0.255998E-01	0.236000E-05
42517.	0.915588E-04	-0.554213E-03	0.141184E-04	0.255844E-01	0.178000E-05
42521.	0.734371E-04	-0.555877E-03	0.159334E-04	0.255738E-01	0.100000E-05
42525.	0.631645E-04	-0.557591E-03	0.178520E-04	0.255698E-01	0.110000E-06
42529.	0.543173E-04	-0.559362E-03	0.200870E-04	0.255739E-01	-0.840000E-06
42533.	0.484100E-04	-0.561195E-03	0.224685E-04	0.255872E-01	-0.187000E-05
42537.	0.448021E-04	-0.563093E-03	0.249359E-04	0.256103E-01	-0.302000E-05
42541.	0.430643E-04	-0.564927E-03	0.274083E-04	0.256433E-01	-0.418000E-05
42545.	0.427302E-04	-0.566793E-03	0.298066E-04	0.256863E-01	-0.541000E-05
42549.	0.436439E-04	-0.568692E-03	0.320823E-04	0.257389E-01	-0.653000E-05
42553.	0.454405E-04	-0.569292E-03	0.341863E-04	0.257999E-01	-0.741000E-05
42557.	0.485924E-04	-0.569114E-03	0.361051E-04	0.258666E-01	-0.769000E-05
42561.	0.532475E-04	-0.569338E-03	0.381014E-04	0.259339E-01	-0.771000E-05
42565.	0.666311E-04	-0.569425E-03	0.397672E-04	0.260014E-01	-0.777000E-05
42569.	0.790934E-04	-0.569573E-03	0.401066E-04	0.260685E-01	-0.783000E-05
42573.	0.926738E-04	-0.569600E-03	0.391171E-04	0.261355E-01	-0.785000E-05
42577.	0.106802E-03	-0.569626E-03	0.368396E-04	0.262022E-01	-0.780000E-05
42581.	0.120825E-03	-0.569643E-03	0.333887E-04	0.262683E-01	-0.763000E-05
42585.	0.132302E-03	-0.569608E-03	0.293931E-04	0.263296E-01	-0.636000E-05
42589.	0.141841E-03	-0.569691E-03	0.250283E-04	0.263768E-01	-0.455000E-05
42593.	0.149231E-03	-0.569884E-03	0.203670E-04	0.264069E-01	-0.256000E-05
42597.	0.153666E-03	-0.569860E-03	0.154948E-04	0.264186E-01	-0.450000E-06
42601.	0.154209E-03	-0.570229E-03	0.105953E-04	0.264114E-01	0.174000E-05

GEOS-A RADIATION PRESSURE PERTURBATIONS

EPOCH	PERIGEE	NODE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
42605.	0.149685E-03	-0.570014E-03	0.837974E-06	0.569090E-05	0.263856E-01	0.401000E-05
42609.	0.138703E-03	-0.569185E-03	0.100275E-05	0.953495E-06	0.263417E-01	0.619000E-05
42613.	0.120067E-03	-0.567763E-03	6.115744E-05	-0.349252E-05	0.262809E-01	0.814000E-05
42593.	0.149540E-03	-0.569019E-03	0.934952E-06	0.203847E-04	0.264092E-01	-0.257000E-05
42597.	0.153976E-03	-0.569897E-03	0.759040E-06	0.155176E-04	0.264209E-01	-0.460000E-06
42601.	0.154518E-03	-0.570267E-03	0.732189E-06	0.106181E-04	0.264139E-01	0.173000E-05
42605.	0.149995E-03	-0.570054E-03	0.832098E-06	0.571368E-05	0.263681E-01	0.400000E-05
42609.	0.139014E-03	-0.569227E-03	0.100287E-05	0.976280E-06	0.263443E-01	0.617000E-05
42613.	0.120378E-03	-0.567806E-03	0.115737E-05	-0.346974E-05	0.262827E-01	0.813000E-05
42621.	0.565918E-04	-0.563584E-03	0.115526E-05	0.108976E-04	0.261199E-01	0.111800E-04
42625.	0.110443E-04	-0.561094E-03	0.920902E-06	-0.136161E-04	0.260215E-01	0.122900E-04
42633.	-0.101330E-03	-0.556160E-03	0.610090E-07	0.166933E-04	0.258652E-01	0.138100E-04
42637.	-0.166023E-03	-0.553976E-03	-0.445916E-06	-0.171012E-04	0.256922E-01	0.140700E-04
42641.	-0.233543E-03	-0.552198E-03	-0.633382E-06	-0.168368E-04	0.255791E-01	0.140100E-04
42645.	-0.302291E-03	-0.550366E-03	-0.120206E-05	-0.159909E-04	0.254682E-01	0.135900E-04
42649.	-0.370735E-03	-0.54922E-03	-0.151076E-05	-0.146373E-04	0.253613E-01	0.129700E-04
42653.	-0.437388E-03	-0.548173E-03	-0.118384E-05	-0.128670E-04	0.252596E-01	0.122400E-04
42657.	-0.500293E-03	-0.547208E-03	-0.812056E-06	-0.107528E-04	0.251646E-01	0.114100E-04
42661.	-0.557716E-03	-0.546253E-03	-0.216457E-06	-0.834733E-05	0.250774E-01	0.104100E-04
42665.	-0.607492E-03	-0.545302E-03	-0.336525E-06	-0.571592E-05	0.249977E-01	0.932000E-05
42669.	-0.649631E-03	-0.544356E-03	-0.336091E-05	-0.276322E-05	0.249191E-01	0.593000E-05
42677.	-0.692433E-03	-0.543415E-03	-0.341766E-05	-0.329777E-05	0.248493E-01	0.114000E-05
42681.	-0.699243E-03	-0.542472E-03	-0.326924E-05	-0.294771E-05	0.247741E-01	0.714000E-05
42685.	-0.666875E-03	-0.540537E-03	-0.320423E-05	-0.308439E-05	0.246937E-01	0.713000E-05
42689.	-0.628683E-03	-0.539637E-03	-0.251192E-05	-0.369163E-05	0.246100E-01	0.675000E-05
42693.	-0.582372E-03	-0.538617E-03	-0.342818E-05	-0.163163E-04	0.245260E-01	0.580000E-05
42697.	-0.527969E-03	-0.537597E-03	-0.319738E-05	-0.166354E-04	0.244423E-01	0.489000E-05
42701.	-0.499421E-03	-0.537437E-03	-0.308791E-05	-0.196378E-04	0.244221E-01	0.417000E-05
42705.	-0.469038E-03	-0.537240E-03	-0.302523E-05	-0.305331E-04	0.244018E-01	0.368000E-05
42709.	-0.437847E-03	-0.537162E-03	-0.304663E-05	-0.232221E-04	0.243648E-01	0.337000E-05
42713.	-0.406694E-03	-0.537076E-03	-0.314860E-05	-0.220039E-04	0.243269E-01	0.310420E-05
42717.	-0.376254E-03	-0.537078E-03	-0.321040E-05	-0.225681E-04	0.242961E-01	0.283670E-05
42721.	-0.347230E-03	-0.537062E-03	-0.346255E-05	-0.229980E-04	0.242673E-01	0.265614E-05
42725.	-0.319691E-03	-0.537081E-03	-0.335428E-05	-0.229980E-04	0.242375E-01	0.269342E-05
42729.	-0.298258E-03	-0.537192E-03	-0.315827E-05	-0.232707E-04	0.242103E-01	0.264552E-05
42733.	-0.285006E-03	-0.537363E-03	-0.294780E-05	-0.230159E-04	0.241840E-01	0.267013E-05
42737.	-0.280582E-03	-0.537579E-03	-0.271364E-05	-0.224894E-04	0.241589E-01	0.271961E-05
42741.	-0.285123E-03	-0.537832E-03	-0.248508E-05	-0.217004E-04	0.241352E-01	0.273874E-05
42745.	-0.298435E-03	-0.538115E-03	-0.22741E-05	-0.206747E-04	0.241127E-01	0.271669E-05
42749.	-0.318949E-03	-0.538415E-03	-0.198187E-05	-0.195195E-04	0.240902E-01	0.297290E-05
42753.	-0.343747E-03	-0.538744E-03	-0.155860E-05	-0.183578E-04	0.240642E-01	0.347463E-05
42757.	-0.372068E-03	-0.539099E-03	-0.118821E-05	-0.171928E-04	0.240329E-01	0.47829E-05
42761.	-0.403230E-03	-0.539427E-03	-0.923591E-06	-0.160674E-04	0.240016E-01	0.468563E-05
42765.	-0.436592E-03	-0.539671E-03	-0.785989E-06	-0.150256E-04	0.239640E-01	0.515296E-05
42769.	-0.471302E-03	-0.539786E-03	-0.772049E-06	-0.141317E-04	0.239226E-01	0.552283E-05

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EPOCH	PERIGEE	NODE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
42782.	-0.584308E-03	-0.538956E-03	0.127187E-05	0.130225E-04	0.237734E-01	0.579805E-05
42786.	-0.616359E-03	-0.538383E-03	0.144306E-05	0.134502E-04	0.237272E-01	0.566184E-05
42790.	-0.645769E-03	-0.537767E-03	0.155894E-05	0.143195E-04	0.236833E-01	0.528985E-05
42794.	-0.671671E-03	-0.537203E-03	0.160110E-05	0.156272E-04	0.236436E-01	0.466670E-05
42798.	-0.693816E-03	-0.536774E-03	0.156753E-05	0.173658E-04	0.236097E-01	0.374926E-05
42802.	-0.711124E-03	-0.536594E-03	0.147537E-05	0.194011E-04	0.235830E-01	0.269942E-05
42806.	-0.724197E-03	-0.536715E-03	0.135728E-05	0.216925E-04	0.235649E-01	0.160942E-05
42810.	-0.733270E-03	-0.537166E-03	0.125648E-05	0.241531E-04	0.235563E-01	0.508349E-06
42814.	-0.738663E-03	-0.537939E-03	0.121343E-05	0.267098E-04	0.235581E-01	-0.635017E-06
42818.	-0.740872E-03	-0.539005E-03	0.125592E-05	0.293007E-04	0.235703E-01	-0.189061E-05
42822.	-0.740172E-03	-0.540312E-03	0.139516E-05	0.318352E-04	0.235934E-01	-0.313568E-05
42826.	-0.736819E-03	-0.541802E-03	0.162443E-05	0.342371E-04	0.236267E-01	-0.441684E-05
42830.	-0.730769E-03	-0.543411E-03	0.190521E-05	0.364592E-04	0.236694E-01	-0.550923E-05
42834.	-0.721548E-03	-0.545108E-03	0.212526E-05	0.384649E-04	0.237193E-01	-0.614414E-05
42838.	-0.708109E-03	-0.546974E-03	0.212669E-05	0.401267E-04	0.237715E-01	-0.616571E-05
42842.	-0.691931E-03	-0.548908E-03	0.214321E-05	0.411693E-04	0.238237E-01	-0.615641E-05
42846.	-0.673519E-03	-0.550874E-03	0.217016E-05	0.415526E-04	0.238760E-01	-0.618977E-05
42850.	-0.652963E-03	-0.552833E-03	0.220608E-05	0.412721E-04	0.239274E-01	-0.624843E-05
42854.	-0.630665E-03	-0.554742E-03	0.224566E-05	0.403506E-04	0.239787E-01	-0.627000E-05
42858.	-0.609031E-03	-0.556472E-03	0.215427E-05	0.389627E-04	0.240292E-01	-0.593856E-05
42862.	-0.589089E-03	-0.558058E-03	0.192369E-05	0.373040E-04	0.240752E-01	-0.511016E-05
42866.	-0.569879E-03	-0.559570E-03	0.172377E-05	0.354190E-04	0.241140E-01	-0.417829E-05
42870.	-0.551469E-03	-0.560970E-03	0.160586E-05	0.333769E-04	0.241446E-01	-0.317104E-05
42874.	-0.534157E-03	-0.562203E-03	0.159047E-05	0.312475E-04	0.241661E-01	-0.217643E-05
42878.	-0.518445E-03	-0.563216E-03	0.167774E-05	0.290876E-04	0.24183E-01	-0.120274E-05
42882.	-0.504732E-03	-0.563958E-03	0.184638E-05	0.269453E-04	0.241813E-01	-0.206038E-06
42886.	-0.493558E-03	-0.564400E-03	0.205083E-05	0.248784E-04	0.241759E-01	0.784265E-06
42890.	-0.485485E-03	-0.564575E-03	0.218959E-05	0.229177E-04	0.241633E-01	0.155899E-05
42894.	-0.481010E-03	-0.564697E-03	0.209543E-05	0.211001E-04	0.241484E-01	0.162605E-05
42898.	-0.481875E-03	-0.564763E-03	0.196575E-05	0.197528E-04	0.241342E-01	0.163983E-05
42902.	-0.488347E-03	-0.564817E-03	0.181676E-05	0.189195E-04	0.241205E-01	0.161277E-05
42906.	-0.500399E-03	-0.564866E-03	0.165015E-05	0.186174E-04	0.241077E-01	0.159914E-05
42910.	-0.517668E-03	-0.565043E-03	0.147246E-05	0.188423E-04	0.240956E-01	0.162380E-05
42914.	-0.539425E-03	-0.565270E-03	0.123282E-05	0.195658E-04	0.240844E-01	0.162734E-05
42918.	-0.562000E-03	-0.565647E-03	0.835883E-06	0.206058E-04	0.240757E-01	0.124571E-05
42922.	-0.585311E-03	-0.566288E-03	0.448986E-06	0.219233E-04	0.240715E-01	0.625440E-06
42926.	-0.608667E-03	-0.567188E-03	0.144452E-06	0.234706E-04	0.240732E-01	-0.183902E-06
42930.	-0.631481E-03	-0.568314E-03	-0.459961E-07	0.252078E-04	0.240817E-01	-0.104555E-05
42934.	-0.653013E-03	-0.569618E-03	-0.114050E-06	0.270883E-04	0.240976E-01	-0.190550E-05
42938.	-0.672388E-03	-0.571048E-03	-0.658002E-07	0.290744E-04	0.241214E-01	-0.277061E-05
42942.	-0.689201E-03	-0.572559E-03	0.823999E-07	0.311852E-04	0.241535E-01	-0.371662E-05
42946.	-0.701925E-03	-0.574122E-03	0.296510E-06	0.333099E-04	0.241941E-01	-0.476499E-05
42950.	-0.710008E-03	-0.575721E-03	0.538119E-06	0.354552E-04	0.242433E-01	-0.586065E-05
42954.	-0.712639E-03	-0.577365E-03	0.766701E-06	0.375882E-04	0.243009E-01	-0.701158E-05
42958.	-0.709259E-03	-0.579082E-03	0.942401E-06	0.396830E-04	0.243667E-01	-0.804963E-05

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EPOCH	PERIGEE	NODE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
42962.	-0.699753E-03	-0.580905E-03	0.104286E-05	0.416826E-04	0.244401E-01	-0.894581E-05
42966.	-0.684403E-03	-0.582874E-03	0.106477E-05	0.435354E-04	0.245210E-01	-0.976093E-05
42970.	-0.663965E-03	-0.585029E-03	0.102826E-05	0.452229E-04	0.246088E-01	-0.105843E-04
42974.	-0.639481E-03	-0.587396E-03	0.964903E-06	0.467316E-04	0.247036E-01	-0.113642E-04
42978.	-0.612050E-03	-0.589968E-03	0.912155E-06	0.480617E-04	0.248038E-01	-0.121470E-04
42982.	-0.582522E-03	-0.592720E-03	0.902568E-06	0.492161E-04	0.249098E-01	-0.128439E-04
42986.	-0.551829E-03	-0.595602E-03	0.953889E-06	0.502082E-04	0.250207E-01	-0.133622E-04
42990.	-0.520917E-03	-0.598555E-03	0.107004E-05	0.510312E-04	0.251356E-01	-0.137030E-04
42994.	-0.490435E-03	-0.601522E-03	0.123197E-05	0.516669E-04	0.252539E-01	-0.139317E-04
42998.	-0.460710E-03	-0.604463E-03	0.136442E-05	0.520969E-04	0.253744E-01	-0.140740E-04
43002.	-0.431724E-03	-0.607442E-03	0.124765E-05	0.522696E-04	0.254959E-01	-0.141128E-04
43006.	-0.408415E-03	-0.610547E-03	0.106726E-05	0.521007E-04	0.256193E-01	-0.141792E-04
43010.	-0.392086E-03	-0.613647E-03	0.869627E-06	0.515819E-04	0.257425E-01	-0.141966E-04
43014.	-0.383312E-03	-0.616777E-03	0.661328E-06	0.507107E-04	0.258668E-01	-0.141348E-04
43018.	-0.382344E-03	-0.619918E-03	0.455435E-06	0.494944E-04	0.259921E-01	-0.140427E-04
43022.	-0.388973E-03	-0.623049E-03	0.265529E-06	0.479544E-04	0.261187E-01	-0.139858E-04
43026.	-0.401408E-03	-0.626071E-03	0.835025E-07	0.463158E-04	0.262437E-01	-0.135176E-04
43030.	-0.437735E-03	-0.632060E-03	0.778293E-06	0.428598E-04	0.264769E-01	-0.120567E-04
43038.	-0.459965E-03	-0.634987E-03	0.974466E-06	0.410715E-04	0.265831E-01	-0.112027E-04
43042.	-0.483917E-03	-0.637795E-03	0.103492E-05	0.393097E-04	0.266829E-01	-0.103052E-04
43046.	-0.509072E-03	-0.640426E-03	0.954998E-06	0.376199E-04	0.267760E-01	-0.951194E-05
43050.	-0.534718E-03	-0.642828E-03	0.748029E-06	0.360634E-04	0.268630E-01	-0.882109E-05
43054.	-0.560163E-03	-0.644968E-03	0.443450E-06	0.347084E-04	0.269438E-01	-0.828400E-05
43058.	-0.584928E-03	-0.646240E-03	0.968753E-07	0.336234E-04	0.270197E-01	-0.791033E-05
43062.	-0.608729E-03	-0.648509E-03	0.196161E-06	0.328738E-04	0.270922E-01	-0.769659E-05
43066.	-0.630773E-03	-0.650192E-03	0.318228E-06	0.325557E-04	0.271635E-01	-0.764726E-05
43070.	-0.648036E-03	-0.651826E-03	0.422771E-06	0.327990E-04	0.272335E-01	-0.759710E-05
43074.	-0.660066E-03	-0.653443E-03	0.516913E-06	0.336166E-04	0.273036E-01	-0.761000E-05
43082.	-0.667900E-03	-0.656807E-03	0.646744E-06	0.369051E-04	0.274165E-01	-0.791968E-05
43086.	-0.664549E-03	-0.658634E-03	0.463145E-06	0.389801E-04	0.275134E-01	-0.859218E-05
43090.	-0.657124E-03	-0.660756E-03	0.207201E-06	0.411862E-04	0.275922E-01	-0.946879E-05
43094.	-0.646036E-03	-0.663197E-03	0.162635E-07	0.434784E-04	0.276794E-01	-0.104353E-04
43098.	-0.631720E-03	-0.665919E-03	0.157706E-06	0.458091E-04	0.277757E-01	-0.115244E-04
43102.	-0.614511E-03	-0.668870E-03	0.200378E-06	0.480997E-04	0.278813E-01	-0.126100E-04
43106.	-0.594739E-03	-0.671986E-03	0.146089E-05	0.502697E-04	0.279959E-01	-0.137582E-04
43110.	-0.572353E-03	-0.675207E-03	0.154884E-07	0.522584E-04	0.281190E-01	-0.147988E-04
43114.	-0.524173E-03	-0.678436E-03	0.312235E-06	0.556235E-04	0.282493E-01	-0.162984E-04
43122.	-0.408006E-03	-0.684989E-03	0.876104E-06	0.604704E-04	0.285415E-01	-0.182294E-04
43126.	-0.343137E-03	-0.688317E-03	0.367729E-06	0.615047E-04	0.286969E-01	-0.186514E-04
43130.	-0.276271E-03	-0.691675E-03	0.904864E-06	0.615174E-04	0.288533E-01	-0.187274E-04
43134.	-0.210020E-03	-0.695081E-03	0.712287E-06	0.605874E-04	0.290076E-01	-0.184354E-04
43138.	-0.144142E-03	-0.698538E-03	0.450161E-06	0.588275E-04	0.291572E-01	-0.176930E-04
43147.	-0.379258E-05	-0.706273E-03	0.656644E-07	0.526752E-04	0.294608E-01	-0.147164E-04
43151.	0.535169E-04	-0.709460E-03	0.136962E-06	0.492847E-04	0.295769E-01	-0.131815E-04
43155.	0.106322E-03	-0.712319E-03	0.388273E-06	0.456809E-04	0.296793E-01	-0.115857E-04

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EPOCH	PERIGEE	NODE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
43159.	0.153403E-03	-0.714732E-03	0.786983E-06	0.419876E-04	0.297681E-01	-0.100663E-04
43163.	0.193278E-03	-0.716620E-03	0.121986E-05	0.383219E-04	0.298436E-01	-0.086558E-05
43167.	0.226538E-03	-0.718034E-03	0.132877E-05	0.345893E-04	0.299095E-01	-0.077866E-05
43171.	0.248399E-03	-0.719309E-03	0.106937E-05	0.312419E-04	0.299736E-01	-0.076763E-05
43175.	0.255023E-03	-0.720493E-03	0.769977E-06	0.286643E-04	0.300400E-01	-0.075944E-05
43179.	0.245919E-03	-0.721656E-03	0.439178E-06	0.269453E-04	0.301092E-01	-0.075810E-05
43183.	0.221131E-03	-0.722876E-03	0.885671E-07	0.261296E-04	0.301804E-01	-0.076076E-05
43187.	0.181417E-03	-0.724219E-03	-0.263365E-06	0.262141E-04	0.302537E-01	-0.076201E-05
43191.	0.131597E-03	-0.725628E-03	-0.863620E-06	0.270834E-04	0.303293E-01	-0.076886E-05
43195.	0.775238E-04	-0.727322E-03	-0.161777E-05	0.285193E-04	0.304085E-01	-0.081425E-05
43199.	0.188812E-04	-0.729484E-03	-0.239879E-05	0.304684E-04	0.304951E-01	-0.089052E-05
43207.	0.103363E-03	-0.735082E-03	-0.315181E-05	0.353347E-04	0.306949E-01	-0.110384E-04
43211.	0.163232E-03	-0.738329E-03	-0.308988E-05	0.381638E-04	0.308091E-01	-0.123063E-04
43215.	0.219812E-03	-0.741720E-03	-0.273863E-05	0.411142E-04	0.309336E-01	-0.013575E-04
43219.	0.271100E-03	-0.745142E-03	-0.214114E-05	0.441388E-04	0.310686E-01	-0.148316E-04
43223.	0.315982E-03	-0.748509E-03	-0.136151E-05	0.472771E-04	0.312142E-01	-0.161036E-04
43227.	0.350551E-03	-0.751798E-03	-0.582798E-06	0.503666E-04	0.313641E-01	-0.172397E-04
43231.	0.373460E-03	-0.755341E-03	-0.642803E-07	0.536372E-04	0.315253E-01	-0.176312E-04
43235.	0.379294E-03	-0.759015E-03	0.374943E-06	0.567269E-04	0.316842E-01	-0.177548E-04
43239.	0.365904E-03	-0.762689E-03	0.819561E-06	0.594893E-04	0.318405E-01	-0.178301E-04
43247.	0.289921E-03	-0.769975E-03	0.163372E-05	0.638982E-04	0.321456E-01	-0.177927E-04
43251.	0.261644E-03	-0.773536E-03	0.166336E-05	0.646436E-04	0.323007E-01	-0.179306E-04
43255.	0.231259E-03	-0.777153E-03	0.151237E-05	0.651295E-04	0.324568E-01	-0.181490E-04
43259.	0.198925E-03	-0.780890E-03	0.135614E-05	0.654069E-04	0.326136E-01	-0.183565E-04
43263.	0.165284E-03	-0.784705E-03	0.125141E-05	0.654899E-04	0.327713E-01	-0.184482E-04
43267.	0.131151E-03	-0.788537E-03	0.121526E-05	0.653268E-04	0.329286E-01	-0.183426E-04
43271.	0.974755E-04	-0.792320E-03	0.124412E-05	0.650819E-04	0.330848E-01	-0.180511E-04
43275.	0.650137E-04	-0.795997E-03	0.131892E-05	0.645476E-04	0.332390E-01	-0.176753E-04
43279.	0.345931E-04	-0.799531E-03	0.140504E-05	0.637592E-04	0.333906E-01	-0.172421E-04
43283.	0.726902E-05	-0.802910E-03	0.146240E-05	0.626897E-04	0.335379E-01	-0.167272E-04
43287.	0.159049E-04	-0.806149E-03	0.145557E-05	0.613210E-04	0.336803E-01	-0.161514E-04
43291.	0.340730E-04	-0.809277E-03	0.136594E-05	0.596562E-04	0.338167E-01	-0.154230E-04
43295.	0.466289E-04	-0.812314E-03	0.119877E-05	0.577528E-04	0.339470E-01	-0.144725E-04
43299.	0.535064E-04	-0.815279E-03	0.976661E-06	0.556713E-04	0.340698E-01	-0.133535E-04
43303.	0.553160E-04	-0.818190E-03	0.740919E-06	0.534534E-04	0.341844E-01	-0.122389E-04
43307.	0.527699E-04	-0.821045E-03	0.532133E-06	0.511512E-04	0.342894E-01	-0.111033E-04
43311.	0.466342E-04	-0.823822E-03	0.390334E-06	0.488185E-04	0.343848E-01	-0.100410E-04
43315.	0.375249E-04	-0.826485E-03	0.346660E-06	0.464902E-04	0.344705E-01	-0.089856E-05
43319.	0.261427E-04	-0.828980E-03	0.415749E-06	0.442087E-04	0.345464E-01	-0.079067E-05
43323.	0.131443E-04	-0.831254E-03	0.602475E-06	0.420344E-04	0.346133E-01	-0.068055E-05
43327.	-0.102126E-05	-0.833260E-03	0.895537E-06	0.400240E-04	0.346716E-01	-0.057660E-05
43331.	-0.159345E-04	-0.834967E-03	0.125611E-05	0.382218E-04	0.347220E-01	-0.049498E-05
43335.	-0.311379E-04	-0.836385E-03	0.159457E-05	0.366846E-04	0.347665E-01	-0.044375E-05
43347.	-0.680769E-04	-0.839912E-03	0.196154E-05	0.348083E-04	0.348904E-01	-0.044474E-05
43355.	-0.773305E-04	-0.842081E-03	0.211199E-05	0.365803E-04	0.349705E-01	-0.044444E-05

EPOCH	GEOS-A PERIGEE	RADIATION PRESSURE NODE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
43359.	-0.769828E-04	-0.843243E-03	0.216007E-05	0.383467E-04	0.350102E-01	-0.462870E-05
43363.	-0.741203E-04	-0.844524E-03	0.198717E-05	0.403233E-04	0.350529E-01	-0.534514E-05
43367.	-0.689455E-04	-0.846086E-03	0.174441E-05	0.424572E-04	0.351029E-01	-0.632388E-05
43371.	-0.616947E-04	-0.847959E-03	0.154384E-05	0.447083E-04	0.351618E-01	-0.734831E-05
43375.	-0.525548E-04	-0.850113E-03	0.143074E-05	0.470176E-04	0.352304E-01	-0.838968E-05
43379.	-0.417345E-04	-0.852498E-03	0.142523E-05	0.493330E-04	0.353088E-01	-0.949910E-05
43383.	-0.294071E-04	-0.855061E-03	0.152723E-05	0.515841E-04	0.353970E-01	-0.106085E-04
43387.	-0.156508E-04	-0.857747E-03	0.172014E-05	0.536950E-04	0.354944E-01	-0.116990E-04
43391.	-0.247016E-06	-0.860512E-03	0.196384E-05	0.556009E-04	0.356002E-01	-0.126928E-04
43395.	0.174078E-04	-0.863353E-03	0.217975E-05	0.572498E-04	0.357125E-01	-0.133431E-04
43399.	0.388011E-04	-0.866429E-03	0.223232E-05	0.585631E-04	0.358274E-01	-0.133884E-04
43403.	0.616752E-04	-0.869597E-03	0.226437E-05	0.592885E-04	0.359425E-01	-0.133472E-04
43407.	0.833583E-04	-0.872774E-03	0.230713E-05	0.593720E-04	0.360579E-01	-0.133416E-04
43411.	0.109535E-03	-0.875922E-03	0.235865E-05	0.588119E-04	0.361729E-01	-0.133809E-04
43415.	0.133083E-03	-0.878973E-03	0.237697E-05	0.576608E-04	0.362874E-01	-0.133868E-04
43419.	0.153582E-03	-0.881853E-03	0.218268E-05	0.561353E-04	0.363999E-01	-0.128211E-04
43423.	0.172060E-03	-0.884681E-03	0.195502E-05	0.543191E-04	0.365063E-01	-0.118871E-04
43427.	0.188647E-03	-0.887420E-03	0.177229E-05	0.522665E-04	0.366047E-01	-0.107727E-04
43431.	0.203228E-03	-0.890008E-03	0.166986E-05	0.500275E-04	0.366942E-01	-0.965049E-05
43435.	0.215266E-03	-0.892381E-03	0.165475E-05	0.475662E-04	0.367736E-01	-0.847984E-05
43439.	0.224127E-03	-0.894483E-03	0.171696E-05	0.452528E-04	0.368429E-01	-0.737444E-05
43443.	0.229067E-03	-0.896273E-03	0.182817E-05	0.428308E-04	0.369021E-01	-0.626066E-05
43447.	0.229483E-03	-0.897737E-03	0.194626E-05	0.404569E-04	0.369513E-01	-0.510831E-05
43451.	0.224607E-03	-0.898893E-03	0.202552E-05	0.382089E-04	0.369916E-01	-0.395038E-05
43455.	0.213822E-03	-0.899804E-03	0.203180E-05	0.362567E-04	0.370238E-01	-0.291622E-05
43459.	0.197020E-03	-0.900554E-03	0.195193E-05	0.343700E-04	0.370493E-01	-0.208992E-05
43463.	0.174809E-03	-0.901144E-03	0.179371E-05	0.329146E-04	0.370778E-01	-0.146766E-05
43467.	0.147736E-03	-0.901812E-03	0.157457E-05	0.318083E-04	0.370855E-01	-0.100576E-05
43471.	0.116814E-03	-0.902551E-03	0.132941E-05	0.310299E-04	0.370968E-01	-0.635550E-06
43475.	0.830900E-04	-0.903403E-03	0.110403E-05	0.305435E-04	0.371056E-01	-0.320299E-06
43479.	0.475100E-04	-0.904381E-03	0.945264E-06	0.303149E-04	0.371130E-01	-0.184654E-07
43483.	0.108759E-04	-0.905469E-03	0.892149E-06	0.303001E-04	0.371198E-01	-0.235178E-07
43487.	-0.257335E-04	-0.906634E-03	0.967938E-06	0.304560E-04	0.371270E-01	-0.771054E-07
43491.	-0.612170E-04	-0.907830E-03	0.118136E-05	0.307413E-04	0.371347E-01	-0.277307E-06
43495.	-0.946906E-04	-0.909001E-03	0.152160E-05	0.311280E-04	0.371433E-01	-0.529114E-06
43499.	-0.125301E-03	-0.910095E-03	0.195391E-05	0.315851E-04	0.371530E-01	-0.746741E-06
43503.	-0.152186E-03	-0.911076E-03	0.238507E-05	0.320979E-04	0.371638E-01	-0.894126E-06
43511.	-0.186499E-03	-0.912832E-03	0.288483E-05	0.332132E-04	0.371839E-01	-0.854105E-06
43515.	-0.189419E-03	-0.913621E-03	0.314499E-05	0.337017E-04	0.371919E-01	-0.892688E-06
43519.	-0.182495E-03	-0.914363E-03	0.338979E-05	0.341226E-04	0.371981E-01	-0.918528E-06
43523.	-0.166124E-03	-0.915058E-03	0.361286E-05	0.344654E-04	0.372027E-01	-0.985834E-06
43527.	-0.153902E-03	-0.915716E-03	0.369847E-05	0.345739E-04	0.372078E-01	-0.819459E-06
43531.	-0.124320E-03	-0.916342E-03	0.367004E-05	0.347157E-04	0.372106E-01	-0.682375E-06
43535.	-0.931363E-04	-0.917032E-03	0.349918E-05	0.347505E-04	0.372136E-01	-0.859063E-06
43539.	-0.603683E-04	-0.917778E-03	0.335975E-05	0.346876E-04	0.372160E-01	-0.886745E-06

GLESA
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 RADIATION PERIOD
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4354.	-0.267491E-04	-0.916535E-03	0.319550E-03	0.345441E-04	1.372177E-01	-0.876002E-06
4354.	0.694564E-03	-0.919148E-03	0.331182E-03	0.340489E-04	0.372182E-01	-0.725436E-06
4355.	0.396551E-04	-0.919862E-03	0.339167E-03	0.337612E-04	0.372169E-01	-0.401066E-06
4355.	0.018001E-04	-0.920030E-03	0.350404E-03	0.333065E-04	0.372132E-01	0.364842E-06
4355.	0.233348E-03	-0.920827E-03	0.358299E-03	0.331602E-04	0.371945E-01	0.886475E-06
4356.	0.442881E-03	-0.921197E-03	0.345013E-03	0.326487E-04	0.371821E-01	0.102171E-06
4356.	0.158169E-03	-0.921642E-03	0.338173E-03	0.323830E-04	0.371700E-01	0.102762E-06
4357.	0.158956E-03	-0.922004E-03	0.307803E-03	0.325804E-04	0.371582E-01	0.132650E-06
4357.	0.124702E-03	-0.922166E-03	0.271365E-03	0.323963E-04	0.371473E-01	0.212490E-06
4358.	0.143744E-03	-0.922292E-03	0.239193E-03	0.321637E-04	0.371223E-01	0.305820E-06
4358.	0.127774E-03	-0.922471E-03	0.233790E-03	0.319794E-04	0.370995E-01	0.400684E-06
4359.	0.127723E-03	-0.922497E-03	0.177733E-03	0.317332E-04	0.370788E-01	0.485572E-06
4359.	0.922706E-03	-0.923061E-03	0.168323E-03	0.315611E-04	0.370747E-01	0.565813E-06
4359.	0.127709E-03	-0.923233E-03	0.127024E-03	0.313959E-04	0.369633E-01	0.645783E-06
4360.	0.235901E-03	-0.923303E-03	0.164642E-03	0.313382E-04	0.369063E-01	0.725109E-06
4360.	-0.140643E-03	-0.923334E-03	0.162063E-03	0.313624E-04	0.368433E-01	0.797184E-06
4361.	0.324580E-03	-0.923727E-03	0.200756E-03	0.313634E-04	0.367753E-01	0.845729E-06
4361.	0.162663E-03	-0.923973E-03	0.135267E-03	0.311457E-04	0.367047E-01	0.874411E-06
4361.	0.949422E-04	-0.924101E-03	0.123744E-03	0.308743E-04	0.366309E-01	0.876522E-06
4362.	0.146845E-03	-0.924134E-03	0.123744E-03	0.308743E-04	0.366309E-01	0.876522E-06
4362.	-0.130661E-03	-0.924727E-03	0.284606E-03	0.309911E-04	0.365608E-01	0.862700E-06
4363.	0.175325E-03	-0.914462E-03	0.285070E-03	0.310798E-04	0.364182E-01	0.797275E-06
4363.	0.014703E-03	-0.913291E-03	0.278195E-04	0.313520E-04	0.363547E-01	0.733194E-06
4363.	-0.220733E-03	-0.913367E-03	0.266125E-03	0.312157E-04	0.362966E-01	0.647385E-06
4364.	-0.337661E-03	-0.911133E-03	0.254006E-03	0.313049E-04	0.362463E-01	0.543383E-06
4364.	-0.250903E-03	-0.911411E-03	0.243454E-03	0.315871E-04	0.362043E-01	0.429244E-06
4365.	-0.262441E-03	-0.911359E-03	0.243733E-03	0.315871E-04	0.361719E-01	0.318097E-06
4365.	-0.272098E-03	-0.911632E-03	0.250928E-03	0.319941E-04	0.361488E-01	0.213472E-06
4365.	-0.280042E-03	-0.912091E-03	0.267750E-03	0.323194E-04	0.361352E-01	0.113686E-06
4366.	-0.288716E-03	-0.912826E-03	0.303277E-03	0.328038E-04	0.361322E-01	-0.258590E-06
4366.	-0.297196E-03	-0.913507E-03	0.359169E-03	0.329846E-04	0.361440E-01	-0.183108E-05
4367.	-0.301939E-03	-0.915058E-03	0.379670E-03	0.362234E-04	0.361648E-01	-0.234141E-05
4367.	-0.301917E-03	-0.916409E-03	0.386794E-03	0.394871E-04	0.361883E-01	-0.245137E-05
4367.	-0.297183E-03	-0.917866E-03	0.395923E-03	0.410190E-04	0.362091E-01	-0.248962E-05
4368.	-0.287991E-03	-0.919332E-03	0.406167E-03	0.412580E-04	0.362293E-01	-0.248033E-05
4368.	-0.274637E-03	-0.920739E-03	0.417218E-03	0.401995E-04	0.362487E-01	-0.246773E-05

APPENDIX B

RADIATION PRESSURE AND ALBEDO PRESSURE PERTURBATIONS

This appendix gives the radiation and albedo pressure perturbations calculated and applied in the calculation of mean elements to obtain the elements given in Appendix B. These perturbations are the sum of the direct solar radiation pressure and the earth's reflected radiation pressure. They are calculated with the nominal values of the area to mass ratios given in Table B1, assuming the satellite is spherical and is a specular reflector.

Table B1. Nominal Area to Mass Ratios

Satellite	A/M	cm / gram
6508901 - GEOS A		0.10
6800201 - GEOS B		0.06
7603901 - LAGEOS		0.00689

The units of the perturbations are as follows: perigee, node, and inclinations are given in radians; the eccentricity is dimensionless; the mean anomaly is in revolutions; and the semi-axis is in megameters.

GEOS-B RADIATION PRESSURE PERTURBATIONS

EPOCH	PERIGEE	NODE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
41591.	-6.875119E-05	-3.662650E-06	3.741670E-07	-9.445653E-06	-1.787349E-04	1.019976E-06
41593.	-7.050772E-05	-3.709463E-06	3.624538E-07	-9.055685E-06	-1.835500E-04	1.012155E-06
41595.	-7.089961E-05	-3.753977E-06	3.614115E-07	-8.655533E-06	-1.885570E-04	1.047367E-06
41597.	-6.995748E-05	-3.807509E-06	3.526734E-07	-8.247560E-06	-1.937561E-04	9.959410E-07
41599.	-6.763548E-05	-3.847667E-06	3.379110E-07	-7.833425E-06	-1.991019E-04	1.008805E-06
41601.	-6.387433E-05	-3.888750E-06	3.337591E-07	-7.421451E-06	-2.047741E-04	1.032154E-06
41603.	-5.875181E-05	-3.937655E-06	2.195520E-07	-7.013346E-06	-2.105807E-04	9.754894E-07
41605.	-5.227543E-05	-3.973001E-06	3.025869E-07	-6.611035E-06	-2.165354E-04	1.007826E-06
41607.	-4.441575E-05	-4.013431E-06	2.952474E-07	-6.221707E-06	-2.227936E-04	1.015248E-06
41609.	-3.524993E-05	-4.058897E-06	2.762363E-07	-5.848451E-06	-2.291989E-04	9.613126E-07
41611.	-2.485632E-05	-4.091741E-06	2.578007E-07	-5.492728E-06	-2.357390E-04	1.009919E-06
41613.	-1.323800E-05	-4.132758E-06	2.472569E-07	-5.160068E-06	-2.425596E-04	9.987471E-07
41615.	-4.577356E-07	-4.176563E-06	2.243727E-07	-4.854240E-06	-2.495154E-04	9.554234E-07
41617.	1.334032E-05	-4.209692E-06	2.052128E-07	-4.576588E-06	-2.565806E-04	1.015010E-06
41619.	2.811434E-05	-4.253545E-06	1.917047E-07	-4.330424E-06	-2.638930E-04	9.850264E-07
41621.	4.323060E-05	-4.297960E-06	1.660707E-07	-4.119745E-06	-2.713170E-04	9.592328E-07
41622.	6.029178E-05	-4.334489E-06	1.468945E-07	-3.945971E-06	-2.788154E-04	1.023235E-06
41625.	7.741534E-05	-4.383658E-06	1.308170E-07	-3.810109E-06	-2.865217E-04	9.757910E-07
41627.	9.520394E-05	-4.431244E-06	1.036706E-07	-3.715691E-06	-2.943068E-04	9.733092E-07
41629.	1.134210E-04	-4.474343E-06	8.529423E-08	-3.664578E-06	-3.021703E-04	1.034271E-06
41631.	1.318401E-04	-4.531423E-06	5.990242E-08	-3.652033E-06	-3.101143E-04	9.914678E-07
41633.	1.500908E-04	-4.581175E-06	5.993469E-08	-3.68319E-06	-3.181073E-04	1.012754E-06
41635.	1.666535E-04	-4.621345E-06	8.287127E-08	-3.754752E-06	-3.258633E-04	1.068339E-06
41637.	1.661651E-04	-4.671180E-06	8.746749E-08	-3.749765E-06	-3.311334E-04	1.072741E-06
41639.	1.663950E-04	-4.719980E-06	9.348176E-08	-3.750054E-06	-3.365366E-04	1.081155E-06
41641.	1.652289E-04	-4.770083E-06	9.647224E-08	-3.734649E-06	-3.417690E-04	1.087734E-06
41643.	1.647701E-04	-4.819577E-06	1.008882E-07	-3.725365E-06	-3.471441E-04	1.094691E-06
41645.	1.649773E-04	-4.867607E-06	1.073488E-07	-3.726275E-06	-3.526592E-04	1.106270E-06
41647.	1.639161E-04	-4.917838E-06	1.096143E-07	-3.702305E-06	-3.580355E-04	1.114306E-06
41649.	1.635147E-04	-4.967074E-06	1.138611E-07	-3.689464E-06	-3.635583E-04	1.123656E-06
41651.	1.637052E-04	-5.014511E-06	1.20589E-07	-3.690512E-06	-3.692201E-04	1.138120E-06
41653.	1.627949E-04	-5.064882E-06	1.223197E-07	-3.659006E-06	-3.747807E-04	1.147286E-06
41655.	1.624729E-04	-5.113935E-06	1.264147E-07	-3.642952E-06	-3.804858E-04	1.158579E-06
41657.	1.626499E-04	-5.160944E-06	1.332419E-07	-3.64296E-06	-3.863242E-04	1.175633E-06
41659.	1.701376E-04	-5.205672E-06	1.250795E-07	-3.975260E-06	-3.932904E-04	1.146478E-06
41661.	1.818338E-04	-5.250795E-06	1.078703E-07	-4.558895E-06	-4.009289E-04	1.122275E-06
41663.	1.929729E-04	-5.291812E-06	9.683154E-08	-5.189141E-06	-4.085421E-04	1.217286E-06
41665.	2.027139E-04	-5.348085E-06	8.752718E-08	-5.825882E-06	-4.160196E-04	1.180099E-06
41667.	2.116758E-04	-5.409835E-06	7.19952E-08	-6.513049E-06	-4.234551E-04	1.179924E-06
41669.	2.194442E-04	-5.469990E-06	6.498086E-08	-7.216048E-06	-4.308553E-04	1.268974E-06
41671.	2.258071E-04	-5.546069E-06	5.848793E-08	-7.915630E-06	-4.379728E-04	1.219348E-06
41673.	2.312222E-04	-5.625358E-06	4.599295E-08	-8.661226E-06	-4.451052E-04	1.244835E-06
41675.	2.353638E-04	-5.705199E-06	4.291652E-08	-9.416735E-06	-4.522133E-04	1.323820E-06
41677.	2.381379E-04	-5.800914E-06	3.935394E-08	-1.015773E-05	-4.590113E-04	1.263602E-06
41679.	2.397379E-04	-5.898204E-06	3.073033E-08	-1.090905E-05	-4.658152E-04	1.314427E-06

GEOS-B RADIATION PRESSURE PERTURBATIONS
EPOCH PERIGEE INCLINATION

EPOCH	PERIGEE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A	
41681.	2.401042E-04	-5.997351E-06	3.151734E-08	-1.169618E-05	-4.726085E-04	1.380641E-06
41683.	2.392032E-04	-6.111878E-06	3.076670E-08	-1.245846E-05	-4.790912E-04	1.311962E-06
41685.	2.370969E-04	-6.222805E-06	2.939026E-08	-1.324706E-05	-4.855788E-04	1.418005E-06
41687.	2.336274E-04	-6.343506E-06	3.014651E-08	-1.405531E-05	-4.920527E-04	1.437934E-06
41689.	2.290542E-04	-6.476080E-06	3.201238E-08	-1.481969E-05	-4.982212E-04	1.363439E-06
41691.	2.234130E-04	-6.604778E-06	3.468450E-08	-1.557418E-05	-5.044251E-04	1.474775E-06
41695.	2.110151E-04	-6.817347E-06	2.038937E-07	-1.680710E-05	-5.179966E-04	1.670951E-06
41697.	2.035256E-04	-6.905582E-06	2.928623E-07	-1.740952E-05	-5.257058E-04	1.913194E-06
41699.	1.950153E-04	-6.991172E-06	3.857316E-07	-1.800855E-05	-5.341210E-04	2.042524E-06
41701.	1.856154E-04	-7.073691E-06	4.752027E-07	-1.858872E-05	-5.428669E-04	2.118674E-06
41703.	1.754737E-04	-7.142299E-06	5.645419E-07	-1.915656E-05	-5.523367E-04	2.352364E-06
41705.	1.643751E-04	-7.208725E-06	6.566903E-07	-1.971461E-05	-5.624855E-04	2.458027E-06
41709.	1.398345E-04	-7.319540E-06	8.325853E-07	-2.077314E-05	-5.840147E-04	2.758302E-06
41711.	1.263433E-04	-7.366506E-06	9.225086E-07	-2.127833E-05	-5.957586E-04	2.836692E-06
41715.	9.714427E-05	-7.436527E-06	1.092831E-06	-2.222389E-05	-6.202694E-04	3.122045E-06
41728.	-1.610055E-05	-7.480467E-06	1.608583E-06	-2.464481E-05	-7.117740E-04	3.700372E-06
41732.	-5.543915E-05	-7.435425E-06	1.746192E-06	-2.516010E-05	-7.424102E-04	3.854999E-06
41736.	-9.661341E-05	-7.365710E-06	1.873474E-06	-2.555004E-05	-7.740193E-04	3.864513E-06
41740.	-1.389354E-04	-7.266390E-06	1.989410E-06	-2.581573E-05	-8.064106E-04	3.963533E-06
41744.	-1.821800E-04	-7.141208E-06	2.089343E-06	-2.594380E-05	-8.388233E-04	4.054426E-06
41748.	-2.258881E-04	-6.992458E-06	2.174978E-06	-2.593589E-05	-8.713280E-04	3.989034E-06
41752.	-2.695769E-04	-6.818170E-06	2.246420E-06	-2.578912E-05	-9.040054E-04	3.942432E-06
41756.	-3.129053E-04	-6.619704E-06	2.300643E-06	-2.550468E-05	-9.361016E-04	3.961616E-06
41760.	-3.551789E-04	-6.400126E-06	2.338517E-06	-2.508520E-05	-9.674083E-04	3.829385E-06
41764.	-3.961279E-04	-6.159400E-06	2.360388E-06	-2.452899E-05	-9.981341E-04	3.641330E-06
41768.	-4.353415E-04	-5.899139E-06	2.365657E-06	-2.384787E-05	-1.027568E-03	3.582813E-06
41772.	-4.719427E-04	-5.621521E-06	2.354959E-06	-2.305111E-05	-1.055572E-03	3.391362E-06
41776.	-5.060144E-04	-5.327297E-06	2.328573E-06	-2.213623E-05	-1.082314E-03	3.087845E-06
41780.	-5.370555E-04	-5.020135E-06	2.286999E-06	-2.112459E-05	-1.107170E-03	2.930716E-06
41782.	-5.511394E-04	-4.861068E-06	2.261551E-06	-2.058557E-05	-1.118930E-03	2.731729E-06
41784.	-5.644250E-04	-4.701028E-06	2.232076E-06	-2.002839E-05	-1.130038E-03	2.697236E-06
41786.	-5.768601E-04	-4.536822E-06	2.198885E-06	-1.944649E-05	-1.140898E-03	2.523184E-06
41788.	-5.881781E-04	-4.370583E-06	2.164028E-06	-1.885083E-05	-1.151119E-03	2.332499E-06
41790.	-5.985913E-04	-4.204400E-06	2.124857E-06	-1.824098E-05	-1.160636E-03	2.274993E-06
41792.	-6.080086E-04	-4.034182E-06	2.082578E-06	-1.761410E-05	-1.169841E-03	2.071593E-06
41794.	-6.163378E-04	-3.863471E-06	2.039537E-06	-1.697647E-05	-1.178220E-03	1.895517E-06
41796.	-6.236257E-04	-3.693117E-06	1.991772E-06	-1.633028E-05	-1.186122E-03	1.816466E-06
41798.	-6.298404E-04	-3.519108E-06	1.941784E-06	-1.567441E-05	-1.193537E-03	1.590912E-06
41800.	-6.350033E-04	-3.346552E-06	1.891665E-06	-1.501207E-05	-1.200096E-03	1.433900E-06
41802.	-6.390459E-04	-3.174500E-06	1.836613E-06	-1.434577E-05	-1.206262E-03	1.334680E-06
41804.	-6.419928E-04	-2.999465E-06	1.780472E-06	-1.367627E-05	-1.211681E-03	1.094030E-06
41806.	-6.439274E-04	-2.827947E-06	1.724398E-06	-1.300574E-05	-1.216347E-03	9.585668E-07
41808.	-6.447045E-04	-2.656898E-06	1.663525E-06	-1.233457E-05	-1.220593E-03	8.423708E-07
41810.	-6.443926E-04	-2.483617E-06	1.602612E-06	-1.166852E-05	-1.224093E-03	5.930186E-07
41812.	-6.431269E-04	-2.316053E-06	1.541611E-06	-1.100594E-05	-1.226838E-03	4.801830E-07

GEOS-B RADIATION PRESSURE PERTURBATIONS

EPOCH	PERIGEE	NODE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
41814.	-6.406970E-04	-2.148802E-06	1.476288E-06	-1.034580E-05	-1.229149E-03	3.508166E-07
41816.	-6.372347E-04	-1.980317E-06	1.411943E-06	-9.698724E-06	-1.230726E-03	9.986161E-08
41818.	-6.328787E-04	-1.819650E-06	1.346926E-06	-9.059403E-06	-1.231566E-03	9.118863E-09
41820.	-6.273768E-04	-1.659200E-06	1.278433E-06	-8.425690E-06	-1.231973E-03	-1.281931E-07
41822.	-6.209457E-04	-1.498743E-06	1.211826E-06	-7.812224E-06	-1.231672E-03	-3.736698E-07
41824.	-6.136818E-04	-1.347995E-06	1.143572E-06	-7.210666E-06	-1.230669E-03	-4.430694E-07
41826.	-6.053340E-04	-1.197226E-06	1.072937E-06	-6.618724E-06	-1.229248E-03	-5.911199E-07
41828.	-5.961590E-04	-1.048574E-06	1.005127E-06	-6.051644E-06	-1.227163E-03	-8.160714E-07
41830.	-5.862332E-04	-9.108775E-07	9.342822E-07	-5.501348E-06	-1.224425E-03	-8.656759E-07
41832.	-5.753261E-04	-7.729913E-07	8.624891E-07	-4.965087E-06	-1.221297E-03	-1.024055E-06
41834.	-5.636909E-04	-6.400974E-07	7.942156E-07	-4.456577E-06	-1.217568E-03	-1.216385E-06
41836.	-5.512954E-04	-5.183568E-07	7.217069E-07	-3.968955E-06	-1.213251E-03	-1.255187E-06
41838.	-5.382733E-04	-3.974221E-07	6.481933E-07	-3.501636E-06	-1.208532E-03	-1.411550E-06
41840.	-5.245222E-04	-2.842650E-07	5.806933E-07	-3.063342E-06	-1.203387E-03	-1.564662E-06
41842.	-5.102119E-04	-1.844211E-07	5.072480E-07	-2.649831E-06	-1.197687E-03	-1.593311E-06
41844.	-4.952631E-04	-9.199462E-08	4.346143E-07	-2.262479E-06	-1.191682E-03	-1.743808E-06
41846.	-4.798043E-04	-7.244800E-08	3.661676E-07	-1.904632E-06	-1.185241E-03	-1.852302E-06
41848.	-4.638648E-04	-5.533281E-08	2.921274E-07	-1.575560E-06	-1.178389E-03	-1.870659E-06
41850.	-4.478196E-04	-4.161100E-08	-1.193590E-07	-1.277099E-06	-1.171290E-03	-2.011049E-06
41852.	-4.317968E-04	-2.820481E-08	1.133032E-07	-1.008883E-06	-1.163850E-03	-2.072586E-06
41854.	-4.137140E-04	-2.224271E-08	5.722893E-08	-7.732077E-07	-1.156138E-03	-2.080848E-06
41856.	-3.964303E-04	-1.513302E-08	3.921564E-09	-5.704753E-07	-1.148176E-03	-2.205835E-06
41858.	-3.897855E-04	-9.299100E-09	-1.504344E-08	-3.037160E-07	-1.138448E-03	-2.158448E-06
41860.	-3.912525E-04	-3.315349E-09	-2.624033E-08	-5.188376E-07	-1.127466E-03	-2.165639E-06
41862.	-3.920048E-04	-3.342999E-09	-3.006183E-08	-3.265736E-07	-1.116549E-03	-2.174273E-06
41864.	-3.920228E-04	-3.375694E-09	-3.645644E-08	-5.300004E-07	-1.105704E-03	-2.180725E-06
41866.	-3.935100E-04	-3.395621E-09	-3.784727E-08	-5.369500E-07	-1.094608E-03	-2.186704E-06
41868.	-3.942642E-04	-3.423331E-09	-4.180553E-08	-5.407379E-07	-1.083590E-03	-2.193108E-06
41870.	-3.942933E-04	-3.455005E-09	-4.828435E-08	-5.443876E-07	-1.072655E-03	-2.196549E-06
41872.	-3.957528E-04	-3.474800E-09	-4.990731E-08	-5.430729E-07	-1.061485E-03	-2.201030E-06
41874.	-3.964834E-04	-3.501660E-09	-5.400443E-08	-5.428873E-07	-1.050405E-03	-2.205341E-06
41876.	-3.965228E-04	-3.529312E-09	-6.052762E-08	-5.467876E-07	-1.039413E-03	-2.205689E-06
41878.	-3.979045E-04	-3.550815E-09	-6.244990E-08	-5.474237E-07	-1.028212E-03	-2.208577E-06
41880.	-3.985854E-04	-3.576091E-09	-6.668911E-08	-5.335045E-07	-1.017107E-03	-2.210924E-06
41882.	-3.986347E-04	-3.598714E-09	-7.318020E-08	-5.376401E-07	-1.006092E-03	-2.208407E-06
41884.	-3.998900E-04	-3.621590E-09	-7.505666E-08	-5.208104E-07	-9.949001E-04	-2.209636E-06
41886.	-3.999412E-04	-3.642300E-09	-8.179865E-08	-5.259832E-07	-9.838874E-04	-2.208332E-06
41888.	-3.987661E-04	-3.633780E-09	-8.198154E-08	-5.631262E-07	-9.730638E-04	-2.206797E-06
41890.	-3.850392E-04	-3.499518E-09	-7.267030E-08	-9.445511E-07	-9.640898E-04	-2.253120E-06
41892.	-3.736601E-04	-3.279281E-09	-6.294853E-08	-1.313043E-06	-9.547770E-04	-2.201197E-06
41894.	-3.624562E-04	-3.077463E-09	-5.499529E-08	-1.726354E-06	-9.454632E-04	-2.197073E-06
41900.	-3.349202E-04	-2.581659E-09	-2.986458E-08	-3.080322E-06	-9.155046E-04	-2.364341E-06
41902.	-3.285155E-04	-2.327954E-09	-3.114462E-08	-3.339581E-06	-9.048169E-04	-2.368982E-06
41904.	-3.231016E-04	-2.024424E-09	-2.397256E-08	-4.005817E-06	-8.940438E-04	-2.343335E-06
41906.	-3.188701E-04	-1.711211E-09	-2.333650E-08	-4.477983E-06	-8.831498E-04	-2.332029E-06

CHOS-B RADIATION PRESSURE PERTURBATIONS
EPOCH PERIGEE NUT INCLINATION

ECCENTRICITY MEAN ANOMALY A

41908.	-3.137942E-04	1.39427E-07	-2.789838E-08	-4.955186E-06	-8.726421E-04	-2.347027E-06
41910.	-3.136311E-04	9.73316E-07	-2.544454E-08	-5.437560E-06	-8.608377E-04	-2.310351E-06
41912.	-3.131028E-04	5.662963E-08	-2.925211E-08	-5.897007E-06	-8.495010E-04	-2.299154E-06
41914.	-3.135762E-04	1.589131E-09	-3.764181E-08	-6.351911E-06	-8.379442E-04	-2.322812E-06
41916.	-3.151386E-04	3.845057E-08	-4.157061E-08	-6.759459E-06	-8.262739E-04	-2.268573E-06
41918.	-3.178033E-04	-2.930641E-08	-3.651486E-08	-7.230448E-06	-8.144811E-04	-2.278323E-06
41920.	-3.215702E-04	-1.401699E-07	-6.177111E-08	-7.641879E-06	-8.024620E-04	-2.305834E-06
41922.	-3.262281E-04	-4.065310E-07	-7.204211E-08	-8.029477E-06	-7.903475E-04	-2.251827E-06
41924.	-3.319040E-04	-1.673071E-07	-9.138491E-08	-8.392144E-06	-7.781430E-04	-2.277110E-06
41926.	-3.384570E-04	-3.310610E-07	-1.060572E-07	-8.727720E-06	-7.657321E-04	-2.287442E-06
41928.	-3.457514E-04	-4.094929E-07	-1.166639E-07	-9.031626E-06	-7.532563E-04	-2.240810E-06
41930.	-3.537264E-04	-4.802042E-07	-1.393736E-07	-9.303835E-06	-7.406857E-04	-2.276943E-06
41932.	-3.623631E-04	-5.573500E-07	-1.517961E-07	-9.542628E-06	-7.280260E-04	-2.269677E-06
41934.	-3.714933E-04	-6.470636E-07	-1.745121E-07	-9.744216E-06	-7.153380E-04	-2.236585E-06
41936.	-3.810501E-04	-7.275075E-07	-1.997338E-07	-9.909357E-06	-7.025071E-04	-2.277115E-06
41938.	-3.909508E-04	-8.175091E-07	-2.155482E-07	-1.002734E-05	-6.896734E-04	-2.254700E-06
41940.	-4.016642E-04	-9.170822E-07	-2.434046E-07	-1.012530E-05	-6.768502E-04	-2.239746E-06
41942.	-4.113021E-04	-1.006763E-06	-2.703529E-07	-1.017344E-05	-6.639264E-04	-2.277815E-06
41944.	-4.215451E-04	-1.108429E-06	-2.893192E-07	-1.018352E-05	-6.510034E-04	-2.245123E-06
41946.	-4.316976E-04	-1.216112E-06	-3.212503E-07	-1.019367E-05	-6.381743E-04	-2.249883E-06
41948.	-4.416645E-04	-1.314056E-06	-3.489516E-07	-1.008356E-05	-6.252889E-04	-2.279361E-06
41950.	-4.512952E-04	-1.425676E-06	-3.708221E-07	-9.976770E-06	-6.124914E-04	-2.242382E-06
41952.	-4.605260E-04	-1.539394E-06	-4.057091E-07	-9.832957E-06	-5.997859E-04	-2.266226E-06
41954.	-4.692727E-04	-1.644423E-06	-4.333531E-07	-9.651242E-06	-5.870681E-04	-2.282302E-06
41956.	-4.773632E-04	-1.763982E-06	-4.578321E-07	-9.436688E-06	-5.744781E-04	-2.247668E-06
41958.	-4.847599E-04	-1.881717E-06	-4.945036E-07	-9.190600E-06	-5.620175E-04	-2.287621E-06
41960.	-4.914045E-04	-1.992682E-06	-5.214204E-07	-8.911961E-06	-5.495855E-04	-2.287257E-06
41962.	-4.971106E-04	-2.118423E-06	-5.481500E-07	-8.607003E-06	-5.373490E-04	-2.261731E-06
41964.	-5.018760E-04	-2.238219E-06	-5.853659E-07	-8.276955E-06	-5.252026E-04	-2.312122E-06
41966.	-5.056596E-04	-2.354096E-06	-6.109590E-07	-7.922700E-06	-5.131564E-04	-2.294764E-06
41968.	-5.082980E-04	-2.483852E-06	-6.393217E-07	-7.550206E-06	-5.013224E-04	-2.283634E-06
41970.	-5.097813E-04	-2.604741E-06	-6.756789E-07	-7.161388E-06	-4.896126E-04	-2.337695E-06
41972.	-5.101245E-04	-2.724686E-06	-6.996063E-07	-6.758331E-06	-4.780266E-04	-2.305328E-06
41974.	-5.091996E-04	-2.856842E-06	-7.288275E-07	-6.346356E-06	-4.666569E-04	-2.312284E-06
41976.	-5.069779E-04	-2.978063E-06	-7.630704E-07	-5.927879E-06	-4.554360E-04	-2.362331E-06
41978.	-5.035263E-04	-3.101446E-06	-7.848685E-07	-5.506376E-06	-4.443539E-04	-2.318965E-06
41982.	-4.926620E-04	-3.355990E-06	-8.450240E-07	-4.669425E-06	-4.27681E-04	-2.384345E-06
41984.	-4.853050E-04	-3.482378E-06	-8.643819E-07	-4.261284E-06	-4.122009E-04	-2.33513E-06
41986.	-4.767019E-04	-3.615921E-06	-8.926488E-07	-3.864660E-06	-4.018213E-04	-2.381110E-06
41988.	-4.667750E-04	-3.737383E-06	-9.193021E-07	-3.481627E-06	-3.815299E-04	-2.402482E-06
41990.	-4.556614E-04	-3.866577E-06	-9.359958E-07	-3.118080E-06	-3.618450E-04	-2.354432E-06
41992.	-4.434438E-04	-3.999968E-06	-9.623875E-07	-2.776011E-06	-3.471614E-04	-2.415893E-06
41994.	-4.300258E-04	-4.122207E-06	-9.840211E-07	-2.456625E-06	-3.245625E-04	-2.415904E-06
41996.	-4.155822E-04	-4.254453E-06	-9.978997E-07	-2.166987E-06	-3.522041E-04	-2.375166E-06
41998.	-4.001980E-04	-4.387509E-06	-1.021563E-06	-1.906789E-06	-3.426831E-04	-2.447137E-06

EPOCH	GEOS-B PERIGEE	PRESSURE PERTURBATIONS			INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
		RADIATION	NODE					
42000.	-3.838460E-04	-4.511425E-06	-1.037734E-06	-1.677589E-06	-3.332901E-04	-2.424146E-06		
42002.	-3.666758E-04	-4.646729E-06	-1.048751E-06	-1.485873E-06	-3.239946E-04	-2.395854E-06		
42004.	-3.490061E-04	-4.787696E-06	-1.066380E-06	-1.332359E-06	-3.147512E-04	-2.475933E-06		
42006.	-3.312947E-04	-4.946313E-06	-1.065436E-06	-1.218658E-06	-3.054493E-04	-2.440696E-06		
42008.	-3.133562E-04	-5.125384E-06	-1.057439E-06	-1.147547E-06	-2.961093E-04	-2.436876E-06		
42010.	-2.953696E-04	-5.307333E-06	-1.052443E-06	-1.117940E-06	-2.867295E-04	-2.514602E-06		
42012.	-2.773147E-04	-5.488579E-06	-1.032516E-06	-1.125982E-06	-2.773384E-04	-2.448291E-06		
42014.	-2.591416E-04	-5.679931E-06	-9.910526E-07	-1.267496E-06	-2.679737E-04	-2.447976E-06		
42016.	-2.411614E-04	-5.867030E-06	-9.910526E-07	-1.267496E-06	-2.586287E-04	-2.495933E-06		
42018.	-2.233708E-04	-6.051730E-06	-9.570184E-07	-1.395948E-06	-2.493248E-04	-2.396661E-06		
42020.	-2.056945E-04	-6.241864E-06	-9.247539E-07	-1.565183E-06	-2.401415E-04	-2.396051E-06		
42022.	-1.984675E-04	-6.424050E-06	-8.927003E-07	-1.774642E-06	-2.310451E-04	-2.404020E-06		
42024.	-1.717032E-04	-6.604242E-06	-8.474788E-07	-2.019318E-06	-2.220764E-04	-2.279051E-06		
42026.	-1.534333E-04	-6.787047E-06	-8.059909E-07	-2.301989E-06	-2.132883E-04	-2.270946E-06		
42028.	-1.396501E-04	-6.959432E-06	-7.629440E-07	-2.621494E-06	-2.046886E-04	-2.221948E-06		
42030.	-1.246612E-04	-7.130501E-06	-7.087252E-07	-2.973938E-06	-1.963029E-04	-2.090060E-06		
42032.	-1.104211E-04	-7.302590E-06	-6.588388E-07	-3.358976E-06	-1.881721E-04	-2.070062E-06		
42034.	-9.698255E-05	-7.462440E-06	-6.058635E-07	-3.776079E-06	-1.803242E-04	-1.981701E-06		
42036.	-8.451501E-05	-7.621844E-06	-5.438938E-07	-4.222311E-06	-1.727702E-04	-1.827884E-06		
42038.	-7.303266E-05	-7.790284E-06	-4.867808E-07	-4.695895E-06	-1.655459E-04	-1.796618E-06		
42040.	-6.256392E-05	-7.953470E-06	-4.246122E-07	-5.195401E-06	-1.586895E-04	-1.659405E-06		
42042.	-5.324477E-05	-8.070627E-06	-3.59108E-07	-5.719800E-06	-1.522121E-04	-1.498114E-06		
42044.	-4.511434E-05	-8.213767E-06	-3.922754E-07	-6.260834E-06	-1.461239E-04	-1.457007E-06		
42046.	-3.812260E-05	-8.343374E-06	-3.217086E-07	-6.819880E-06	-1.404805E-04	-1.278279E-06		
42052.	-2.491184E-05	-8.711303E-06	6.831090E-10	-8.576884E-06	-1.262289E-04	-8.570977E-07		
42056.	-2.280320E-05	-8.929377E-06	1.554692E-07	-9.785301E-06	-1.190931E-04	-6.460694E-07		
42060.	-2.603311E-05	-9.113732E-06	3.242494E-07	-1.099217E-05	-1.139353E-04	-3.006760E-07		
42064.	-3.477577E-05	-9.269540E-06	4.954080E-07	-1.215695E-05	-1.107348E-04	1.245667E-08		
42072.	-6.774271E-05	-9.483946E-06	8.551389E-07	-1.433882E-05	-1.100231E-04	4.867116E-07		
42076.	-9.134252E-05	-9.525955E-06	1.043903E-06	-1.528031E-05	-1.123349E-04	7.809566E-07		
42080.	-1.210972E-04	-9.490542E-06	1.186999E-06	-1.615507E-05	-1.157016E-04	8.883185E-07		
42084.	-1.589186E-04	-9.362083E-06	1.235364E-06	-1.696921E-05	-1.185694E-04	8.807428E-07		
42092.	-2.453235E-04	-9.087781E-06	1.325290E-06	-1.800295E-05	-1.233255E-04	9.884419E-07		
42096.	-2.910285E-04	-8.951078E-06	1.367296E-06	-1.816966E-05	-1.255098E-04	9.268847E-07		
42100.	-3.372999E-04	-8.798814E-06	1.411725E-06	-1.809893E-05	-1.276948E-04	1.021077E-06		
42104.	-3.832241E-04	-8.641631E-06	1.445492E-06	-1.778554E-05	-1.299243E-04	9.347227E-07		
42108.	-4.285665E-04	-8.466652E-06	1.478642E-06	-1.721813E-05	-1.322962E-04	9.455363E-07		
42110.	-4.485468E-04	-8.374415E-06	1.494786E-06	-1.686954E-05	-1.338654E-04	9.253659E-07		
42112.	-4.696823E-04	-8.274858E-06	1.513571E-06	-1.643050E-05	-1.352961E-04	1.004778E-06		
42114.	-4.882527E-04	-8.173740E-06	1.522033E-06	-1.596835E-05	-1.369909E-04	9.425204E-07		
42118.	-5.232687E-04	-7.954677E-06	1.551436E-06	-1.487752E-05	-1.407433E-04	9.777739E-07		
42120.	-5.382812E-04	-7.837760E-06	1.552250E-06	-1.427564E-05	-1.428729E-04	9.30526E-07		
42122.	-5.523129E-04	-7.717171E-06	1.567440E-06	-1.361368E-05	-1.451911E-04	8.782403E-07		
42124.	-5.649833E-04	-7.586999E-06	1.579697E-06	-1.290298E-05	-1.476112E-04	9.400743E-07		
42126.	-5.755293E-04	-7.452722E-06	1.583001E-06	-1.219028E-05	-1.502709E-04	9.077820E-07		

GEOS-B RADIATION PRESSURE PERTURBATIONS

EPOCH	PERIGEE	NCDE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
42216.	1.523994E-05	1.067047E-05	3.093054E-06	-4.325365E-06	-6.894080E-05	-1.938170E-07
42218.	2.513865E-05	1.114405E-05	3.093842E-06	-4.945385E-06	-6.999635E-05	5.673788E-08
42220.	3.385835E-05	1.160922E-05	3.092935E-06	-5.591963E-06	-7.163539E-05	1.930285E-07
42222.	4.112427E-05	1.206564E-05	3.090430E-06	-6.245475E-06	-7.384765E-05	2.846913E-07
42224.	4.725401E-05	1.251252E-05	3.086457E-06	-6.909791E-06	-7.668656E-05	5.410767E-07
42226.	5.210689E-05	1.294598E-05	3.080594E-06	-7.589088E-06	-8.013872E-05	6.673913E-07
42232.	5.866933E-05	1.420063E-05	3.053195E-06	-9.643224E-06	-9.419127E-05	1.149249E-06
42234.	5.822440E-05	1.459613E-05	3.040834E-06	-1.032822E-05	-1.001147E-04	1.298236E-06
42236.	5.654551E-05	1.497945E-05	3.026303E-06	-1.101006E-05	-1.057303E-04	1.534669E-06
42238.	5.354556E-05	1.535551E-05	3.009277E-06	-1.168709E-05	-1.137912E-04	1.624361E-06
42240.	4.931246E-05	1.571254E-05	2.991304E-06	-1.237437E-05	-1.215376E-04	1.796773E-06
42242.	4.322821E-05	1.606011E-05	2.970548E-06	-1.301183E-05	-1.294493E-04	2.108871E-06
42244.	3.711911E-05	1.639667E-05	2.947379E-06	-1.365015E-05	-1.375591E-04	2.079761E-06
42246.	2.971632E-05	1.671992E-05	2.924283E-06	-1.428494E-05	-1.461391E-04	2.663994E-06
42248.	2.212187E-05	1.702982E-05	2.895113E-06	-1.489992E-05	-1.543391E-04	2.454659E-06
42250.	1.016721E-05	1.732850E-05	2.864553E-06	-1.549056E-05	-1.627921E-04	3.502860E-06
42252.	-6.763071E-06	1.761253E-05	2.833243E-06	-1.606700E-05	-1.719143E-04	4.006143E-06
42254.	-1.311625E-05	1.785317E-05	2.797503E-06	-1.661141E-05	-1.814193E-04	4.853123E-06
42256.	-2.619561E-05	1.814251E-05	2.759012E-06	-1.713683E-05	-1.913391E-04	2.872494E-06
42258.	-4.034983E-05	1.838733E-05	2.710371E-06	-1.763490E-05	-2.016711E-04	3.757113E-06
42260.	-5.498633E-05	1.861600E-05	2.652241E-06	-1.811060E-05	-2.126510E-04	3.195212E-06
42262.	-7.055483E-05	1.883443E-05	2.587744E-06	-1.856496E-05	-2.233091E-04	3.52177E-06
42264.	-8.671197E-05	1.903601E-05	2.518799E-06	-1.896153E-05	-2.335153E-04	3.390447E-06
42266.	-1.037603E-04	1.922493E-05	2.443193E-06	-1.934566E-05	-2.432619E-04	3.456562E-06
42268.	-1.212673E-04	1.940187E-05	2.473239E-06	-1.969302E-05	-2.524037E-04	3.453702E-06
42270.	-1.391733E-04	1.956047E-05	2.415642E-06	-2.003950E-05	-2.610711E-04	3.623063E-06
42272.	-1.577072E-04	1.970722E-05	2.363823E-06	-2.029462E-05	-2.690711E-04	3.652482E-06
42274.	-1.765413E-04	1.984133E-05	2.308573E-06	-2.054120E-05	-2.76711E-04	3.65706E-06
42276.	-1.955950E-04	1.995666E-05	2.256861E-06	-2.075590E-05	-2.840086E-04	3.76719E-06
42278.	-2.149737E-04	2.006193E-05	2.197243E-06	-2.093665E-05	-2.91472E-04	3.774394E-06
42280.	-2.345031E-04	2.015140E-05	2.074100E-06	-2.108027E-05	-3.096238E-04	3.778379E-06
42282.	-2.540731E-04	2.022300E-05	1.996107E-06	-2.119079E-05	-3.309084E-04	3.872987E-06
42284.	-2.736763E-04	2.028436E-05	1.912559E-06	-2.126668E-05	-3.568719E-04	3.822489E-06
42286.	-2.932791E-04	2.033073E-05	1.830340E-06	-2.130785E-05	-3.826414E-04	3.826049E-06
42288.	-3.127355E-04	2.035860E-05	1.742078E-06	-2.131567E-05	-4.085547E-04	3.883759E-06
42290.	-3.320130E-04	2.037719E-05	1.649342E-06	-2.128992E-05	-4.344595E-04	3.798647E-06
42292.	-3.511119E-04	2.037910E-05	1.558137E-06	-2.123294E-05	-4.702005E-04	3.801012E-06
42294.	-3.699338E-04	2.036397E-05	1.460366E-06	-2.114330E-05	-4.861068E-04	3.821864E-06
42296.	-3.883304E-04	2.033972E-05	1.358839E-06	-2.102313E-05	-5.018086E-04	3.707742E-06
42298.	-4.064130E-04	2.029736E-05	1.260094E-06	-2.087557E-05	-5.172574E-04	3.70730E-06
42300.	-4.241155E-04	2.023923E-05	1.154152E-06	-2.069702E-05	-5.327749E-04	3.693137E-06
42302.	-4.413765E-04	2.019264E-05	1.041774E-06	-2.045387E-05	-5.475937E-04	3.66717E-06
42304.	-4.639737E-04	2.015823E-05	1.083341E-06	-2.018241E-05	-5.623685E-04	3.638263E-06
42306.	-4.838415E-04	2.011800E-05	1.055259E-06	-1.986673E-05	-5.772900E-04	3.652018E-06
42308.	-5.030778E-04	2.008065E-05	1.036425E-06	-1.952044E-05	-5.921557E-04	3.641934E-06

GEOS-4 RADIATION PRESSURE PERTURBATIONS
EPOCH NODE INCLINATION

MEAN ANOMALY A

EPOCH	RADIATION PERIOD	NODE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
42310.	-5.201028E-04	2.004537E-05	1.010878E-06	-1.917673E-05	-6.072174E-04	3.620637E-06
42312.	-5.372491E-04	2.000546E-05	9.813675E-07	-1.879047E-05	-6.224241E-04	3.623014E-06
42314.	-5.533613E-04	1.996970E-05	9.565050E-07	-1.838079E-05	-6.276173E-04	3.612168E-06
42316.	-5.685355E-04	1.993350E-05	9.346549E-07	-1.796913E-05	-6.328852E-04	3.597185E-06
42318.	-5.831621E-04	1.989347E-05	9.057092E-07	-1.759120E-05	-6.384985E-04	3.591535E-06
42320.	-5.979213E-04	1.986009E-05	8.808749E-07	-1.715221E-05	-6.440872E-04	3.580443E-06
42322.	-6.126649E-04	1.982635E-05	8.598435E-07	-1.667456E-05	-6.4996705E-04	3.569650E-06
42324.	-6.273371E-04	1.979183E-05	8.311463E-07	-1.611234E-05	-6.559861E-04	3.559676E-06
42326.	-6.418761E-04	1.975911E-05	8.073865E-07	-1.576030E-05	-7.313812E-04	3.549214E-06
42328.	-6.563792E-04	1.971734E-05	7.869117E-07	-1.530531E-05	-7.472640E-04	3.540768E-06
42330.	-6.708991E-04	1.967235E-05	7.610902E-07	-1.483741E-05	-7.633829E-04	3.531345E-06
42332.	-6.853699E-04	1.962435E-05	7.391879E-07	-1.439191E-05	-7.794702E-04	3.458382E-06
42334.	-6.998221E-04	1.957301E-05	7.169279E-07	-1.395351E-05	-7.956935E-04	3.502301E-06
42336.	-7.142943E-04	1.951849E-05	6.918220E-07	-1.351116E-05	-8.120505E-04	3.468487E-06
42338.	-7.287665E-04	1.946149E-05	6.779024E-07	-1.306333E-05	-8.282694E-04	3.428519E-06
42340.	-7.432387E-04	1.940388E-05	6.566849E-07	-1.264121E-05	-8.447411E-04	3.462295E-06
42342.	-7.577109E-04	1.934542E-05	6.350022E-07	-1.220351E-05	-8.611294E-04	3.427458E-06
42344.	-7.721831E-04	1.928632E-05	6.261666E-07	-1.181146E-05	-8.775108E-04	3.399542E-06
42346.	-7.866553E-04	1.922665E-05	6.070171E-07	-1.140661E-05	-8.940859E-04	3.423134E-06
42348.	-8.011275E-04	1.916633E-05	5.905040E-07	-1.101962E-05	-9.105945E-04	3.389531E-06
42350.	-8.156007E-04	1.910546E-05	5.697146E-07	-1.025603E-05	-9.436582E-04	3.385556E-06
42352.	-8.300739E-04	1.904406E-05	5.591763E-07	-9.539334E-06	-9.766843E-04	3.344561E-06
42356.	-8.445461E-04	1.946214E-05	5.446244E-07	-8.887546E-06	-1.009881E-03	3.306474E-06
42360.	-8.590183E-04	1.946600E-05	5.397903E-07	-8.269539E-06	-1.043011E-03	3.326307E-06
42362.	-8.734905E-04	1.948758E-05	5.315358E-07	-7.697227E-06	-1.076055E-03	3.305760E-06
42372.	-8.879627E-04	1.953008E-05	5.612675E-07	-7.167186E-06	-1.109173E-03	3.266995E-06
42376.	-9.024349E-04	1.957592E-05	5.750563E-07	-6.674676E-06	-1.142137E-03	3.276660E-06
42380.	-9.169071E-04	1.963808E-05	6.073061E-07	-6.216335E-06	-1.174945E-03	3.264252E-06
42384.	-9.313793E-04	1.972800E-05	6.414263E-07	-5.788095E-06	-1.207748E-03	3.226311E-06
42388.	-9.458515E-04	1.982690E-05	6.736358E-07	-5.386926E-06	-1.240364E-03	3.227813E-06
42392.	-9.603237E-04	1.993821E-05	7.220429E-07	-5.010232E-06	-1.272805E-03	3.220518E-06
42396.	-9.747959E-04	2.006035E-05	7.766082E-07	-4.656313E-06	-1.305208E-03	3.185481E-06
42400.	-9.892681E-04	2.023845E-05	8.244881E-07	-4.324671E-06	-1.337422E-03	3.181134E-06
42404.	-10.037403E-04	2.040524E-05	8.825366E-07	-4.014058E-06	-1.369461E-03	3.177797E-06
42408.	-10.182125E-04	2.060146E-05	9.500597E-07	-3.724585E-06	-1.401435E-03	3.147994E-06
42420.	-10.326847E-04	2.129386E-05	1.140592E-06	-2.978212E-06	-1.496304E-03	3.117899E-06
42424.	-10.471569E-04	2.156900E-05	1.203955E-06	-2.764771E-06	-1.527584E-03	3.112507E-06
42428.	-10.616291E-04	2.184955E-05	1.261145E-06	-2.562738E-06	-1.558649E-03	3.115066E-06
42432.	-10.761013E-04	2.214477E-05	1.328777E-06	-2.367180E-06	-1.589584E-03	3.099535E-06
42436.	-10.905735E-04	2.246483E-05	1.392533E-06	-2.171066E-06	-1.620291E-03	3.101050E-06
42440.	-11.050457E-04	2.278906E-05	1.444088E-06	-1.964994E-06	-1.650775E-03	3.106791E-06
42444.	-11.195179E-04	2.311608E-05	1.501627E-06	-1.739458E-06	-1.681126E-03	3.091460E-06
42448.	-11.339901E-04	2.346336E-05	1.557213E-06	-1.484120E-06	-1.711261E-03	3.097913E-06
42452.	-11.484623E-04	2.381877E-05	1.594701E-06	-1.186611E-06	-1.741202E-03	3.107871E-06
42456.	-11.629345E-04	2.417201E-05	1.630145E-06	-8.363299E-07	-1.771064E-03	3.084067E-06

GEOS-B RADIATION PRESSURE PERTURBATIONS
EPOCH PERIGEE NODE INCLINATION

EPOCH	PERIGEE	NODE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
42460.	-6.714122E-04	2.454188E-05	1.666162E-06	-4.239108E-07	-1.800795E-03	3.088044E-06
42464.	-6.773806E-04	2.492560E-05	1.684329E-06	6.166054E-08	-1.830452E-03	3.107703E-06
42468.	-6.830592E-04	2.530596E-05	1.693843E-06	6.258889E-07	-1.860148E-03	3.073936E-06
42472.	-6.878834E-04	2.569666E-05	1.706621E-06	1.271453E-06	-1.889956E-03	3.063756E-06
42476.	-6.913635E-04	2.610473E-05	1.706184E-06	2.003099E-06	-1.919891E-03	3.096200E-06
42480.	-6.929645E-04	2.651159E-05	1.692548E-06	2.816546E-06	-1.950028E-03	3.060091E-06
42484.	-6.919619E-04	2.692412E-05	1.682688E-06	3.704550E-06	-1.980049E-03	3.023495E-06
42488.	-6.880335E-04	2.735280E-05	1.666628E-06	4.661795E-06	-2.010293E-03	3.064091E-06
42492.	-6.806742E-04	2.778432E-05	1.636479E-06	5.672785E-06	-2.042159E-03	3.039276E-06
42496.	-6.693902E-04	2.821198E-05	1.609820E-06	6.716449E-06	-2.073903E-03	2.945340E-06
42500.	-6.549203E-04	2.862388E-05	1.659482E-06	7.726689E-06	-2.105334E-03	2.891269E-06
42504.	-6.369996E-04	2.905929E-05	1.741455E-06	8.694062E-06	-2.135997E-03	2.759626E-06
42508.	-6.155048E-04	2.953742E-05	1.843222E-06	9.617358E-06	-2.165630E-03	2.522784E-06
42512.	-5.906671E-04	3.003334E-05	1.963310E-06	1.048129E-05	-2.194069E-03	2.382301E-06
42516.	-5.625622E-04	3.064086E-05	2.085431E-06	1.127053E-05	-2.221309E-03	2.256094E-06
42520.	-5.314773E-04	3.128356E-05	2.208643E-06	1.197410E-05	-2.247335E-03	2.034118E-06
42528.	-4.846640E-04	3.283544E-05	2.281906E-06	1.276071E-05	-2.293841E-03	1.966209E-06
42532.	-4.845834E-04	3.364717E-05	2.282403E-06	1.274005E-05	-2.33215E-03	1.946777E-06
42536.	-4.859686E-04	3.462282E-05	2.289877E-06	1.271011E-05	-2.332170E-03	1.930550E-06
42540.	-4.866758E-04	3.527748E-05	2.292441E-06	1.269278E-05	-2.331073E-03	1.917709E-06
42544.	-4.866539E-04	3.609114E-05	2.298819E-06	1.267890E-05	-2.269958E-03	1.907246E-06
42548.	-4.883183E-04	3.690765E-05	2.299563E-06	1.267396E-05	-2.386499E-03	1.896674E-06
42552.	-4.892505E-04	3.772334E-05	2.302582E-06	1.267486E-05	-2.40709E-03	1.893847E-06
42556.	-4.893353E-04	3.853840E-05	2.306570E-06	1.267133E-05	-2.425762E-03	1.894900E-06
42560.	-4.902489E-04	3.935460E-05	2.308614E-06	1.268163E-05	-2.444323E-03	1.896135E-06
42564.	-4.913375E-04	4.017234E-05	2.308713E-06	1.271587E-05	-2.462830E-03	1.899924E-06
42568.	-4.919840E-04	4.098865E-05	2.312093E-06	1.272308E-05	-2.481350E-03	1.913895E-06
42572.	-4.926733E-04	4.180597E-05	2.313448E-06	1.275521E-05	-2.500434E-03	1.925488E-06
42576.	-4.937394E-04	4.262474E-05	2.313163E-06	1.281559E-05	-2.519340E-03	1.937302E-06
42580.	-4.897781E-04	4.343635E-05	2.329986E-06	1.29672E-05	-2.539145E-03	2.015427E-06
42584.	-4.721236E-04	4.422812E-05	2.397985E-06	1.136840E-05	-2.562901E-03	2.295922E-06
42588.	-4.589908E-04	4.501480E-05	2.461602E-06	1.007102E-05	-2.589005E-03	2.543964E-06
42592.	-4.504888E-04	4.579611E-05	2.520413E-06	9.730723E-06	-2.617605E-03	2.964041E-06
42596.	-4.470171E-04	4.656643E-05	2.572621E-06	1.375100E-06	-2.648749E-03	3.306598E-06
42600.	-4.487014E-04	4.732341E-05	2.619024E-06	6.007644E-06	-2.682405E-03	3.549994E-06
42604.	-4.554578E-04	4.806705E-05	2.660271E-06	4.659334E-06	-2.718569E-03	3.934807E-06
42608.	-4.674642E-04	4.879305E-05	2.694384E-06	3.356417E-06	-2.757139E-03	4.294189E-06
42612.	-4.845898E-04	4.950572E-05	2.717215E-06	2.113938E-06	-2.797988E-03	4.524555E-06
42616.	-5.065988E-04	5.019942E-05	2.742501E-06	9.577881E-06	-2.840358E-03	4.804610E-06
42620.	-5.324055E-04	5.087607E-05	2.755566E-06	-9.054617E-06	-2.886678E-03	5.131846E-06
42624.	-5.640702E-04	5.15319E-05	2.760810E-06	-1.006094E-06	-2.932453E-03	5.315604E-06
42628.	-5.986669E-04	5.217795E-05	2.757858E-06	-1.776942E-06	-2.980451E-03	5.442447E-06
42632.	-6.364281E-04	5.280433E-05	2.746271E-06	-2.383457E-06	-3.029632E-03	5.682165E-06
42636.	-6.763067E-04	5.341661E-05	2.725966E-06	-2.805341E-06	-3.079635E-03	5.782133E-06
42640.	-7.181526E-04	5.401548E-05	2.696397E-06	-3.036803E-06	-3.130150E-03	5.742930E-06

GEOS-3 RADIATION PRESSURE PERTURBATIONS
EPOCH PERIGEE INCLINATION

MEAN ANOMALY A

ECCENTRICITY

42648.	-8.028770E-04	5.517480E-01	2.608392E-06	-2.906761E-06	-3.231508E-03	5.811946E-06
42649.	-8.441455E-04	5.523916E-01	2.590296E-06	-2.543073E-06	-3.261720E-03	5.651723E-06
42650.	-8.832611E-04	5.623377E-01	2.481103E-06	-2.198423E-06	-3.331251E-03	5.528319E-06
42651.	-9.194994E-04	5.653756E-01	2.403538E-06	-1.242994E-06	-3.379739E-03	5.429488E-06
42652.	-9.518255E-04	5.707361E-01	2.311033E-06	3.418947E-07	-3.426946E-03	5.180616E-06
42653.	-9.794790E-04	5.790120E-01	2.196475E-06	1.392445E-07	-3.472704E-03	4.884905E-06
42654.	-1.002456E-03	5.841374E-01	2.112736E-06	1.902005E-06	-3.516611E-03	4.699326E-06
42655.	-1.018893E-03	5.891983E-01	2.006066E-06	3.157409E-06	-3.558680E-03	4.396340E-06
42656.	-1.029059E-03	5.941378E-01	1.880043E-06	4.485195E-06	-3.598719E-03	3.992655E-06
42657.	-1.032740E-03	5.988772E-01	1.752333E-06	5.842323E-06	-3.636620E-03	3.731666E-06
42658.	-1.039674E-03	6.033693E-01	1.621375E-06	7.194524E-06	-3.672408E-03	3.442349E-06
42659.	-1.040000E-03	6.076944E-01	1.485190E-06	8.517141E-06	-3.706063E-03	3.054443E-06
42660.	-1.041143E-03	6.118030E-01	1.343323E-06	9.773171E-06	-3.737579E-03	2.756575E-06
42661.	-1.041435E-03	6.158452E-01	1.202470E-06	1.090542E-05	-3.767850E-03	2.550985E-06
42662.	-1.041955E-03	6.197495E-01	1.068444E-06	1.197168E-05	-3.795353E-03	2.267886E-06
42663.	-1.042661E-03	6.236015E-01	9.153013E-07	1.286946E-05	-3.821715E-03	2.001031E-06
42664.	-1.043433E-03	6.273615E-01	7.511031E-07	1.360093E-05	-3.846530E-03	1.924264E-06
42665.	-1.044293E-03	6.310795E-01	5.751031E-07	1.414564E-05	-3.871091E-03	1.800801E-06
42666.	-1.045259E-03	6.347715E-01	4.995013E-07	1.450171E-05	-3.894641E-03	1.637720E-06
42667.	-1.046336E-03	6.384493E-01	4.367031E-07	1.466294E-05	-3.917814E-03	1.662210E-06
42668.	-1.047484E-03	6.421903E-01	3.741661E-07	1.462354E-05	-3.940927E-03	1.715286E-06
42669.	-1.048720E-03	6.459795E-01	3.157153E-07	1.439093E-05	-3.964320E-03	1.708888E-06
42670.	-1.050035E-03	6.497995E-01	2.611932E-07	1.338234E-05	-3.988265E-03	1.812372E-06
42671.	-1.051435E-03	6.536445E-01	2.108553E-07	1.338234E-05	-4.013089E-03	2.029091E-06
42672.	-1.052915E-03	6.575285E-01	1.640859E-07	1.260670E-05	-4.038415E-03	2.300523E-06
42673.	-1.054475E-03	6.614542E-01	1.205934E-07	1.250131E-05	-4.064841E-03	2.339794E-06
42674.	-1.056105E-03	6.654218E-01	8.728223E-07	9.775153E-06	-4.137590E-03	2.288365E-06
42675.	-1.057805E-03	6.694203E-01	6.682203E-07	1.020993E-06	-4.294524E-03	2.626119E-06
42676.	-1.059575E-03	6.734521E-01	5.529476E-07	-1.109478E-06	-4.316778E-03	2.621432E-06
42677.	-1.061415E-03	6.775248E-01	4.611723E-07	-2.192367E-06	-4.338745E-03	2.593651E-06
42678.	-1.063315E-03	6.816932E-01	3.963075E-07	-3.159876E-06	-4.360429E-03	2.699778E-06
42679.	-1.065275E-03	6.859303E-01	3.496307E-07	-3.942257E-06	-4.381984E-03	2.735108E-06
42680.	-1.067295E-03	6.902462E-01	3.038803E-07	-4.493649E-06	-4.404804E-03	2.779744E-06
42681.	-1.069375E-03	6.946495E-01	2.664749E-07	-4.928816E-06	-4.428607E-03	2.903187E-06
42682.	-1.071515E-03	6.991721E-01	2.304772E-07	-5.205328E-06	-4.452746E-03	2.989159E-06
42683.	-1.073715E-03	7.038083E-01	1.972623E-07	-5.344685E-06	-4.477278E-03	2.949270E-06
42684.	-1.075975E-03	7.085578E-01	1.672625E-07	-5.345732E-06	-4.501956E-03	2.944781E-06
42685.	-1.078295E-03	7.134245E-01	1.409605E-07	-5.207467E-06	-4.526600E-03	2.986748E-06
42686.	-1.080675E-03	7.184095E-01	1.185942E-07	-4.937576E-06	-4.551366E-03	2.947472E-06
42687.	-1.083115E-03	7.235175E-01	9.856970E-07	-4.556970E-06	-4.576753E-03	2.912134E-06
42688.	-1.085615E-03	7.287425E-01	8.052824E-07	-4.088409E-06	-4.602569E-03	2.949230E-06
42689.	-1.088175E-03	7.340805E-01	6.501940E-07	-2.387346E-06	-4.683533E-03	2.901618E-06
42690.	-1.090795E-03	7.395355E-01	5.252556E-07	-1.806171E-06	-4.711675E-03	2.913558E-06
42691.	-1.093475E-03	7.451224E-01	4.302268E-07	-1.260992E-06	-4.740523E-03	2.879533E-06
42692.	-1.096215E-03	7.508352E-01	3.659952E-07	-7.751336E-07	-4.769859E-03	2.864619E-06

GEOS-B RADIATION PRESSURE PERTURBATIONS

EPOCH	PERIGEE	NODE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
42866.	-9.717292E-04	5.298113E-05	-1.112924E-06	-3.675305E-07	-4.799687E-03	2.883628E-06
42870.	-9.624986E-04	5.245605E-05	-1.172757E-06	-5.830991E-08	-4.829939E-03	2.878069E-06
42874.	-9.509921E-04	5.191051E-05	-1.229022E-06	-1.390196E-07	-4.860536E-03	2.855162E-06
42878.	-9.379885E-04	5.135891E-05	-1.269161E-06	2.145015E-07	-4.891378E-03	2.865147E-06
42882.	-9.241945E-04	5.080712E-05	-1.309922E-06	1.609636E-07	-4.922379E-03	2.888513E-06
42886.	-9.104355E-04	5.023636E-05	-1.350446E-06	-2.140395E-08	-4.953429E-03	2.878944E-06
42890.	-8.975184E-04	4.965232E-05	-1.374159E-06	-3.310754E-07	-4.984422E-03	2.870818E-06
42894.	-8.861235E-04	4.906868E-05	-1.392760E-06	-7.597560E-07	-5.015270E-03	2.908757E-06
42898.	-8.770331E-04	4.846869E-05	-1.414328E-06	-1.296176E-06	-5.045869E-03	2.925862E-06
42902.	-8.708177E-04	4.784942E-05	-1.421870E-06	-1.927037E-06	-5.076139E-03	2.903793E-06
42906.	-8.679623E-04	4.722875E-05	-1.418798E-06	-2.632474E-06	-5.106012E-03	2.934872E-06
42910.	-8.689526E-04	4.659739E-05	-1.419397E-06	-3.395300E-06	-5.135422E-03	2.980241E-06
42914.	-8.739827E-04	4.594549E-05	-1.410882E-06	-4.193990E-06	-5.164339E-03	2.957388E-06
42918.	-8.832490E-04	4.529036E-05	-1.388212E-06	-5.004643E-06	-5.192728E-03	2.963605E-06
42922.	-8.967830E-04	4.463267E-05	-1.367617E-06	-5.809332E-06	-5.220663E-03	3.026545E-06
42926.	-9.144823E-04	4.395818E-05	-1.344217E-06	-6.585302E-06	-5.247916E-03	3.018528E-06
42930.	-9.362543E-04	4.327764E-05	-1.306784E-06	-7.313531E-06	-5.274722E-03	2.974941E-06
42934.	-9.606378E-04	4.263382E-05	-1.210136E-06	-7.947326E-06	-5.301266E-03	3.073629E-06
42938.	-9.872813E-04	4.202435E-05	-1.071998E-06	-8.480223E-06	-5.327881E-03	3.151553E-06
42942.	-1.016044E-03	4.145567E-05	-9.019324E-07	-8.914758E-06	-5.354915E-03	3.161500E-06
42946.	-1.046394E-03	4.094670E-05	-7.140438E-07	-9.246717E-06	-5.382396E-03	3.251615E-06
42950.	-1.078060E-03	4.049027E-05	-5.199953E-07	-9.468552E-06	-5.409955E-03	3.329261E-06
42954.	-1.110677E-03	4.008621E-05	-3.122818E-07	-9.580933E-06	-5.437752E-03	3.292471E-06
42958.	-1.143706E-03	3.975223E-05	-9.582251E-07	-9.580406E-06	-5.465565E-03	3.295555E-06
42962.	-1.176939E-03	3.948650E-05	-1.193842E-07	-9.465346E-06	-5.493205E-03	3.328664E-06
42966.	-1.209832E-03	3.928212E-05	-3.389594E-07	-9.236310E-06	-5.520092E-03	3.237403E-06
42970.	-1.248143E-03	3.909906E-05	-4.223359E-07	-8.830031E-06	-5.546303E-03	3.265799E-06
42974.	-1.285588E-03	3.892100E-05	-4.724430E-07	-8.293036E-06	-5.572516E-03	3.261370E-06
42978.	-1.322214E-03	3.875751E-05	-5.163979E-07	-7.618405E-06	-5.598700E-03	3.233379E-06
42982.	-1.357597E-03	3.861707E-05	-5.663373E-07	-6.804087E-06	-5.625154E-03	3.240626E-06
42986.	-1.391371E-03	3.849462E-05	-6.091227E-07	-5.856614E-06	-5.651663E-03	3.226996E-06
42990.	-1.423040E-03	3.839258E-05	-6.447105E-07	-4.777567E-06	-5.678272E-03	3.212210E-06
42994.	-1.451720E-03	3.831406E-05	-6.833091E-07	-3.587281E-06	-5.705326E-03	3.189712E-06
42998.	-1.477565E-03	3.825802E-05	-7.142823E-07	-2.279622E-06	-5.732561E-03	3.167988E-06
43002.	-1.499868E-03	3.822317E-05	-7.375472E-07	-8.801773E-07	-5.760060E-03	3.081069E-06
43006.	-1.518782E-03	3.821831E-05	-7.629611E-07	6.446198E-07	-5.787985E-03	3.116489E-06
43010.	-1.533139E-03	3.823615E-05	-7.805921E-07	2.207043E-06	-5.816303E-03	3.087453E-06
43014.	-1.543201E-03	3.827722E-05	-7.911307E-07	3.821995E-06	-5.845023E-03	3.007959E-06
43018.	-1.548951E-03	3.834618E-05	-8.009705E-07	5.547227E-06	-5.874075E-03	2.983323E-06
43022.	-1.549749E-03	3.844175E-05	-8.101507E-07	7.297977E-06	-5.903700E-03	2.992764E-06
43026.	-1.546596E-03	3.858718E-05	-8.232706E-07	8.646337E-06	-5.932013E-03	2.671862E-06
43030.	-1.539569E-03	3.880046E-05	-1.024840E-06	9.988894E-06	-5.957594E-03	2.320683E-06
43034.	-1.528493E-03	3.907732E-05	-1.113999E-06	1.132187E-05	-5.980586E-03	1.914840E-06
43038.	-1.513624E-03	3.941660E-05	-1.188631E-06	1.262910E-05	-6.000965E-03	1.685092E-06
43042.	-1.495011E-03	3.980905E-05	-1.244416E-06	1.388390E-05	-6.018581E-03	1.376729E-06

GEOS. EPOCH REFERENCE ANOMALY

A

GEOS. EPOCH	REFERENCE	ANOMALY	REL. ANOMALY	REL. ANOMALY
43046	1.74250E-03	4.3957E-06	1.5916E-06	-6.03285E-03
43050	1.74659E-03	4.3957E-06	1.5916E-06	-6.04671E-03
43054	1.75068E-03	4.3957E-06	1.5916E-06	-6.05346E-03
43058	1.75477E-03	4.3957E-06	1.5916E-06	-6.06021E-03
43062	1.75886E-03	4.3957E-06	1.5916E-06	-6.06696E-03
43066	1.76295E-03	4.3957E-06	1.5916E-06	-6.07371E-03
43070	1.76704E-03	4.3957E-06	1.5916E-06	-6.08046E-03
43074	1.77113E-03	4.3957E-06	1.5916E-06	-6.08721E-03
43078	1.77522E-03	4.3957E-06	1.5916E-06	-6.09396E-03
43082	1.77931E-03	4.3957E-06	1.5916E-06	-6.10071E-03
43086	1.78340E-03	4.3957E-06	1.5916E-06	-6.10746E-03
43090	1.78749E-03	4.3957E-06	1.5916E-06	-6.11421E-03
43094	1.79158E-03	4.3957E-06	1.5916E-06	-6.12096E-03
43098	1.79567E-03	4.3957E-06	1.5916E-06	-6.12771E-03
43102	1.79976E-03	4.3957E-06	1.5916E-06	-6.13446E-03
43106	1.80385E-03	4.3957E-06	1.5916E-06	-6.14121E-03
43110	1.80794E-03	4.3957E-06	1.5916E-06	-6.14796E-03
43114	1.81203E-03	4.3957E-06	1.5916E-06	-6.15471E-03
43118	1.81612E-03	4.3957E-06	1.5916E-06	-6.16146E-03
43122	1.82021E-03	4.3957E-06	1.5916E-06	-6.16821E-03
43126	1.82430E-03	4.3957E-06	1.5916E-06	-6.17496E-03
43130	1.82839E-03	4.3957E-06	1.5916E-06	-6.18171E-03
43134	1.83248E-03	4.3957E-06	1.5916E-06	-6.18846E-03
43138	1.83657E-03	4.3957E-06	1.5916E-06	-6.19521E-03
43142	1.84066E-03	4.3957E-06	1.5916E-06	-6.20196E-03
43146	1.84475E-03	4.3957E-06	1.5916E-06	-6.20871E-03
43150	1.84884E-03	4.3957E-06	1.5916E-06	-6.21546E-03
43154	1.85293E-03	4.3957E-06	1.5916E-06	-6.22221E-03
43158	1.85702E-03	4.3957E-06	1.5916E-06	-6.22896E-03
43162	1.86111E-03	4.3957E-06	1.5916E-06	-6.23571E-03
43166	1.86520E-03	4.3957E-06	1.5916E-06	-6.24246E-03
43170	1.86929E-03	4.3957E-06	1.5916E-06	-6.24921E-03
43174	1.87338E-03	4.3957E-06	1.5916E-06	-6.25596E-03
43178	1.87747E-03	4.3957E-06	1.5916E-06	-6.26271E-03
43182	1.88156E-03	4.3957E-06	1.5916E-06	-6.26946E-03
43186	1.88565E-03	4.3957E-06	1.5916E-06	-6.27621E-03
43190	1.88974E-03	4.3957E-06	1.5916E-06	-6.28296E-03
43194	1.89383E-03	4.3957E-06	1.5916E-06	-6.28971E-03
43198	1.89792E-03	4.3957E-06	1.5916E-06	-6.29646E-03
43202	1.90201E-03	4.3957E-06	1.5916E-06	-6.30321E-03
43206	1.90610E-03	4.3957E-06	1.5916E-06	-6.30996E-03
43210	1.91019E-03	4.3957E-06	1.5916E-06	-6.31671E-03
43214	1.91428E-03	4.3957E-06	1.5916E-06	-6.32346E-03
43218	1.91837E-03	4.3957E-06	1.5916E-06	-6.33021E-03
43222	1.92246E-03	4.3957E-06	1.5916E-06	-6.33696E-03
43226	1.92655E-03	4.3957E-06	1.5916E-06	-6.34371E-03
43230	1.93064E-03	4.3957E-06	1.5916E-06	-6.35046E-03
43234	1.93473E-03	4.3957E-06	1.5916E-06	-6.35721E-03
43238	1.93882E-03	4.3957E-06	1.5916E-06	-6.36396E-03
43242	1.94291E-03	4.3957E-06	1.5916E-06	-6.37071E-03
43246	1.94700E-03	4.3957E-06	1.5916E-06	-6.37746E-03
43250	1.95109E-03	4.3957E-06	1.5916E-06	-6.38421E-03
43254	1.95518E-03	4.3957E-06	1.5916E-06	-6.39096E-03
43258	1.95927E-03	4.3957E-06	1.5916E-06	-6.39771E-03
43262	1.96336E-03	4.3957E-06	1.5916E-06	-6.40446E-03
43266	1.96745E-03	4.3957E-06	1.5916E-06	-6.41121E-03
43270	1.97154E-03	4.3957E-06	1.5916E-06	-6.41796E-03
43274	1.97563E-03	4.3957E-06	1.5916E-06	-6.42471E-03
43278	1.97972E-03	4.3957E-06	1.5916E-06	-6.43146E-03
43282	1.98381E-03	4.3957E-06	1.5916E-06	-6.43821E-03
43286	1.98790E-03	4.3957E-06	1.5916E-06	-6.44496E-03
43290	1.99199E-03	4.3957E-06	1.5916E-06	-6.45171E-03
43294	1.99608E-03	4.3957E-06	1.5916E-06	-6.45846E-03
43298	2.00017E-03	4.3957E-06	1.5916E-06	-6.46521E-03
43302	2.00426E-03	4.3957E-06	1.5916E-06	-6.47196E-03
43306	2.00835E-03	4.3957E-06	1.5916E-06	-6.47871E-03
43310	2.01244E-03	4.3957E-06	1.5916E-06	-6.48546E-03
43314	2.01653E-03	4.3957E-06	1.5916E-06	-6.49221E-03
43318	2.02062E-03	4.3957E-06	1.5916E-06	-6.49896E-03
43322	2.02471E-03	4.3957E-06	1.5916E-06	-6.50571E-03
43326	2.02880E-03	4.3957E-06	1.5916E-06	-6.51246E-03
43330	2.03289E-03	4.3957E-06	1.5916E-06	-6.51921E-03
43334	2.03698E-03	4.3957E-06	1.5916E-06	-6.52596E-03
43338	2.04107E-03	4.3957E-06	1.5916E-06	-6.53271E-03
43342	2.04516E-03	4.3957E-06	1.5916E-06	-6.53946E-03
43346	2.04925E-03	4.3957E-06	1.5916E-06	-6.54621E-03
43350	2.05334E-03	4.3957E-06	1.5916E-06	-6.55296E-03
43354	2.05743E-03	4.3957E-06	1.5916E-06	-6.55971E-03
43358	2.06152E-03	4.3957E-06	1.5916E-06	-6.56646E-03
43362	2.06561E-03	4.3957E-06	1.5916E-06	-6.57321E-03
43366	2.06970E-03	4.3957E-06	1.5916E-06	-6.57996E-03
43370	2.07379E-03	4.3957E-06	1.5916E-06	-6.58671E-03
43374	2.07788E-03	4.3957E-06	1.5916E-06	-6.59346E-03
43378	2.08197E-03	4.3957E-06	1.5916E-06	-6.60021E-03
43382	2.08606E-03	4.3957E-06	1.5916E-06	-6.60696E-03
43386	2.09015E-03	4.3957E-06	1.5916E-06	-6.61371E-03
43390	2.09424E-03	4.3957E-06	1.5916E-06	-6.62046E-03
43394	2.09833E-03	4.3957E-06	1.5916E-06	-6.62721E-03
43398	2.10242E-03	4.3957E-06	1.5916E-06	-6.63396E-03
43402	2.10651E-03	4.3957E-06	1.5916E-06	-6.64071E-03
43406	2.11060E-03	4.3957E-06	1.5916E-06	-6.64746E-03
43410	2.11469E-03	4.3957E-06	1.5916E-06	-6.65421E-03
43414	2.11878E-03	4.3957E-06	1.5916E-06	-6.66096E-03
43418	2.12287E-03	4.3957E-06	1.5916E-06	-6.66771E-03
43422	2.12696E-03	4.3957E-06	1.5916E-06	-6.67446E-03
43426	2.13105E-03	4.3957E-06	1.5916E-06	-6.68121E-03
43430	2.13514E-03	4.3957E-06	1.5916E-06	-6.68796E-03
43434	2.13923E-03	4.3957E-06	1.5916E-06	-6.69471E-03
43438	2.14332E-03	4.3957E-06	1.5916E-06	-6.70146E-03
43442	2.14741E-03	4.3957E-06	1.5916E-06	-6.70821E-03
43446	2.15150E-03	4.3957E-06	1.5916E-06	-6.71496E-03
43450	2.15559E-03	4.3957E-06	1.5916E-06	-6.72171E-03
43454	2.15968E-03	4.3957E-06	1.5916E-06	-6.72846E-03
43458	2.16377E-03	4.3957E-06	1.5916E-06	-6.73521E-03
43462	2.16786E-03	4.3957E-06	1.5916E-06	-6.74196E-03
43466	2.17195E-03	4.3957E-06	1.5916E-06	-6.74871E-03
43470	2.17604E-03	4.3957E-06	1.5916E-06	-6.75546E-03
43474	2.18013E-03	4.3957E-06	1.5916E-06	-6.76221E-03
43478	2.18422E-03	4.3957E-06	1.5916E-06	-6.76896E-03
43482	2.18831E-03	4.3957E-06	1.5916E-06	-6.77571E-03
43486	2.19240E-03	4.3957E-06	1.5916E-06	-6.78246E-03
43490	2.19649E-03	4.3957E-06	1.5916E-06	-6.78921E-03
43494	2.20058E-03	4.3957E-06	1.5916E-06	-6.79596E-03
43498	2.20467E-03	4.3957E-06	1.5916E-06	-6.80271E-03
43502	2.20876E-03	4.3957E-06	1.5916E-06	-6.80946E-03
43506	2.21285E-03	4.3957E-06	1.5916E-06	-6.81621E-03
43510	2.21694E-03	4.3957E-06	1.5916E-06	-6.82296E-03
43514	2.22103E-03	4.3957E-06	1.5916E-06	-6.82971E-03
43518	2.22512E-03	4.3957E-06	1.5916E-06	-6.83646E-03
43522	2.22921E-03	4.3957E-06	1.5916E-06	-6.84321E-03
43526	2.23330E-03	4.3957E-06	1.5916E-06	-6.84996E-03
43530	2.23739E-03	4.3957E-06	1.5916E-06	-6.85671E-03
43534	2.24148E-03	4.3957E-06	1.5916E-06	-6.86346E-03
43538	2.24557E-03	4.3957E-06	1.5916E-06	-6.87021E-03
43542	2.24966E-03	4.3957E-06	1.5916E-06	-6.87696E-03
43546	2.25375E-03	4.3957E-06	1.5916E-06	-6.88371E-03
43550	2.25784E-03	4.3957E-06	1.5916E-06	-6.89046E-03
43554	2.26193E-03	4.3957E-06	1.5916E-06	-6.89721E-03
43558	2.26602E-03	4.3957E-06	1.5916E-06	-6.90396E-03
43562	2.27011E-03	4.3957E-06	1.5916E-06	-6.91071E-03
43566	2.27420E-03	4.3957E-06	1.5916E-06	-6.91746E-03
43570	2.27829E-03	4.3957E-06	1.5916E-06	-6.92421E-03
43574	2.28238E-03	4.3957E-06	1.5916E-06	-6.93096E-03
43578	2.28647E-03	4.3957E-06	1.5916E-06	-6.93771E-03
43582	2.29056E-03	4.3957E-06	1.5916E-06	-6.94446E-03
43586	2.29465E-03	4.3957E-06	1.5916E-06	-6.95121E-03
43590	2.29874E-03	4.3957E-06	1.5916E-06	-6.95796E-03
43594	2.30283E-03	4.3957E-06	1.5916E-06	-6.96471E-03
43598	2.30692E-03	4.3957E-06	1.5916E-06	-6.97146E-03
43602	2.31101E-03	4.3957E-06	1.5916E-06	-6.97821E-03
43606	2.31510E-03	4.3957E-06	1.5916E-06	-6.98496E-03
43610	2.31919E-03	4.3957E-06	1.5916E-06	-6.99171E-03
43614	2.32328E-03	4.3957E-06	1.5916E-06	-6.99846E-03
43618	2.32737E-03	4.3957E-06	1.5916E-06	-7.00521E-03
43622	2.33146E-03	4.3957E-06	1.5916E-06	-7.01196E-03
43626	2.33555E-03	4.3957E-06	1.5916E-06	-7.01871E-03
43630	2.33964E-03	4.3957E-06	1.5916E-06	-7.02546E-03
43634	2.34373E-03	4.3957E-06	1.5916E-06	-7.03221E-03
43638	2.34782E-03	4.3957E-06	1.5916E-06	-7.03896E-03
43642	2.35191E-03	4.3957E-06	1.5916E-06	-7.04571E-03
43646	2.35600E-03	4.3957E-06	1.5916E-06	-7.05246E-03
43650	2.36009E-03	4.3957E-06	1.5916E-06	-7.05921E-03
43654	2.36418E-03	4.3957E-06	1.5916E-06	-7.06596E-03
43658	2.36827E-03	4.3957E-06	1.5916E-06	-7.07271E-03
43662	2.37236E-03	4.3957E-06	1.5916E-06	-7.07946E-03
43666	2.37645E-03	4.3957E-06	1.5916E-06	-7.08621E-03
43670	2.38054E-03	4.3957E-06	1.5916E-06	-7.09296E-03
43674	2.38463E-03	4.3957E-06	1.5916E-06	-7.09971E-03
43678	2.38872E-03	4.3957E-06	1.	

GEOS-B RADIATION PRESSURE PERTURBATIONS

EPOCH	PERIGEE	NODE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A
43251.	-1.110873E-03	1.647191E-05	-4.015020E-06	1.122417E-05	-7.105129E-03	3.779871E-06
43255.	-1.084406E-03	1.508735E-05	-3.999112E-06	1.145974E-05	-7.147741E-03	3.824359E-06
43259.	-1.056756E-03	1.371328E-05	-3.984698E-06	1.152034E-05	-7.190549E-03	3.792808E-06
43263.	-1.028822E-03	1.233350E-05	-3.966849E-06	1.140005E-05	-7.233434E-03	3.767979E-06
43267.	-1.001381E-03	1.095766E-05	-3.934003E-06	1.110483E-05	-7.276306E-03	3.829773E-06
43271.	-9.754124E-04	9.592165E-06	-3.900415E-06	1.063983E-05	-7.319040E-03	3.840637E-06
43275.	-9.516436E-04	8.220406E-06	-3.869029E-06	1.001482E-05	-7.361539E-03	3.798602E-06
43279.	-9.308322E-04	6.844246E-06	-3.825445E-06	9.249309E-06	-7.403710E-03	3.850222E-06
43283.	-9.135735E-04	5.478549E-06	-3.781552E-06	8.349387E-06	-7.445433E-03	3.865766E-06
43287.	-9.013555E-04	4.036839E-06	-3.735401E-06	7.395914E-06	-7.486476E-03	3.897212E-06
43291.	-8.939988E-04	2.546844E-06	-3.674877E-06	6.397894E-06	-7.527863E-03	4.030957E-06
43295.	-8.914501E-04	1.040716E-06	-3.601096E-06	5.368369E-06	-7.570006E-03	4.256916E-06
43299.	-8.936836E-04	-4.803888E-07	-3.527368E-06	4.332986E-06	-7.613126E-03	4.413613E-06
43303.	-9.007658E-04	-2.016130E-06	-3.446563E-06	3.311225E-06	-7.657415E-03	4.572534E-06
43307.	-9.124322E-04	-3.550829E-06	-3.352607E-06	2.323570E-06	-7.703017E-03	4.837402E-06
43311.	-9.285657E-04	-5.080442E-06	-3.259133E-06	1.395873E-06	-7.749867E-03	5.045212E-06

LAUNCH POSITION PRELIMINARY INFORMATION

TECH	DATE	TIME	NO.	INCLINATION	LONGITUDE	HEADING	WIND	WAVE
43011	1	9.59	1	63.37	14.1	106	14.5	14.5
43012	1	9.59	2	63.37	14.1	106	14.5	14.5
43013	1	9.59	3	63.37	14.1	106	14.5	14.5
43014	1	9.59	4	63.37	14.1	106	14.5	14.5
43015	1	9.59	5	63.37	14.1	106	14.5	14.5
43016	1	9.59	6	63.37	14.1	106	14.5	14.5
43017	1	9.59	7	63.37	14.1	106	14.5	14.5
43018	1	9.59	8	63.37	14.1	106	14.5	14.5
43019	1	9.59	9	63.37	14.1	106	14.5	14.5
43020	1	9.59	10	63.37	14.1	106	14.5	14.5
43021	1	9.59	11	63.37	14.1	106	14.5	14.5
43022	1	9.59	12	63.37	14.1	106	14.5	14.5
43023	1	9.59	13	63.37	14.1	106	14.5	14.5
43024	1	9.59	14	63.37	14.1	106	14.5	14.5
43025	1	9.59	15	63.37	14.1	106	14.5	14.5
43026	1	9.59	16	63.37	14.1	106	14.5	14.5
43027	1	9.59	17	63.37	14.1	106	14.5	14.5
43028	1	9.59	18	63.37	14.1	106	14.5	14.5
43029	1	9.59	19	63.37	14.1	106	14.5	14.5
43030	1	9.59	20	63.37	14.1	106	14.5	14.5
43031	1	9.59	21	63.37	14.1	106	14.5	14.5
43032	1	9.59	22	63.37	14.1	106	14.5	14.5
43033	1	9.59	23	63.37	14.1	106	14.5	14.5
43034	1	9.59	24	63.37	14.1	106	14.5	14.5
43035	1	9.59	25	63.37	14.1	106	14.5	14.5
43036	1	9.59	26	63.37	14.1	106	14.5	14.5
43037	1	9.59	27	63.37	14.1	106	14.5	14.5
43038	1	9.59	28	63.37	14.1	106	14.5	14.5
43039	1	9.59	29	63.37	14.1	106	14.5	14.5
43040	1	9.59	30	63.37	14.1	106	14.5	14.5
43041	1	9.59	31	63.37	14.1	106	14.5	14.5
43042	1	9.59	32	63.37	14.1	106	14.5	14.5
43043	1	9.59	33	63.37	14.1	106	14.5	14.5
43044	1	9.59	34	63.37	14.1	106	14.5	14.5
43045	1	9.59	35	63.37	14.1	106	14.5	14.5
43046	1	9.59	36	63.37	14.1	106	14.5	14.5
43047	1	9.59	37	63.37	14.1	106	14.5	14.5
43048	1	9.59	38	63.37	14.1	106	14.5	14.5
43049	1	9.59	39	63.37	14.1	106	14.5	14.5
43050	1	9.59	40	63.37	14.1	106	14.5	14.5
43051	1	9.59	41	63.37	14.1	106	14.5	14.5
43052	1	9.59	42	63.37	14.1	106	14.5	14.5
43053	1	9.59	43	63.37	14.1	106	14.5	14.5
43054	1	9.59	44	63.37	14.1	106	14.5	14.5
43055	1	9.59	45	63.37	14.1	106	14.5	14.5
43056	1	9.59	46	63.37	14.1	106	14.5	14.5
43057	1	9.59	47	63.37	14.1	106	14.5	14.5
43058	1	9.59	48	63.37	14.1	106	14.5	14.5
43059	1	9.59	49	63.37	14.1	106	14.5	14.5
43060	1	9.59	50	63.37	14.1	106	14.5	14.5
43061	1	9.59	51	63.37	14.1	106	14.5	14.5
43062	1	9.59	52	63.37	14.1	106	14.5	14.5
43063	1	9.59	53	63.37	14.1	106	14.5	14.5
43064	1	9.59	54	63.37	14.1	106	14.5	14.5
43065	1	9.59	55	63.37	14.1	106	14.5	14.5
43066	1	9.59	56	63.37	14.1	106	14.5	14.5
43067	1	9.59	57	63.37	14.1	106	14.5	14.5
43068	1	9.59	58	63.37	14.1	106	14.5	14.5
43069	1	9.59	59	63.37	14.1	106	14.5	14.5
43070	1	9.59	60	63.37	14.1	106	14.5	14.5
43071	1	9.59	61	63.37	14.1	106	14.5	14.5
43072	1	9.59	62	63.37	14.1	106	14.5	14.5
43073	1	9.59	63	63.37	14.1	106	14.5	14.5
43074	1	9.59	64	63.37	14.1	106	14.5	14.5
43075	1	9.59	65	63.37	14.1	106	14.5	14.5
43076	1	9.59	66	63.37	14.1	106	14.5	14.5
43077	1	9.59	67	63.37	14.1	106	14.5	14.5
43078	1	9.59	68	63.37	14.1	106	14.5	14.5
43079	1	9.59	69	63.37	14.1	106	14.5	14.5
43080	1	9.59	70	63.37	14.1	106	14.5	14.5
43081	1	9.59	71	63.37	14.1	106	14.5	14.5
43082	1	9.59	72	63.37	14.1	106	14.5	14.5
43083	1	9.59	73	63.37	14.1	106	14.5	14.5
43084	1	9.59	74	63.37	14.1	106	14.5	14.5
43085	1	9.59	75	63.37	14.1	106	14.5	14.5
43086	1	9.59	76	63.37	14.1	106	14.5	14.5
43087	1	9.59	77	63.37	14.1	106	14.5	14.5
43088	1	9.59	78	63.37	14.1	106	14.5	14.5
43089	1	9.59	79	63.37	14.1	106	14.5	14.5
43090	1	9.59	80	63.37	14.1	106	14.5	14.5
43091	1	9.59	81	63.37	14.1	106	14.5	14.5
43092	1	9.59	82	63.37	14.1	106	14.5	14.5
43093	1	9.59	83	63.37	14.1	106	14.5	14.5
43094	1	9.59	84	63.37	14.1	106	14.5	14.5
43095	1	9.59	85	63.37	14.1	106	14.5	14.5
43096	1	9.59	86	63.37	14.1	106	14.5	14.5
43097	1	9.59	87	63.37	14.1	106	14.5	14.5
43098	1	9.59	88	63.37	14.1	106	14.5	14.5
43099	1	9.59	89	63.37	14.1	106	14.5	14.5
43100	1	9.59	90	63.37	14.1	106	14.5	14.5

LAGEOS RADIATION PRESSURE PERTURBATIONS											
EPOCH	PERIGEE	NODE	INCLINATION	ECCENTRICITY	MEAN ANOMALY	A					
43099.	2.908771E-04	7.189709E-08	5.093903E-08	-3.701314E-06	-5.018103E-05	-3.997996E-08					
43103.	3.503798E-04	6.806461E-08	4.626770E-08	-3.715743E-06	-5.958438E-05	5.190820E-09					
43107.	4.099522E-04	6.482506E-08	3.904614E-08	-3.729952E-06	-6.899407E-05	-5.091738E-08					
43111.	4.698022E-04	5.910640E-08	3.237891E-08	-3.743541E-06	-7.843978E-05	1.315676E-09					
43115.	5.302056E-04	5.442887E-08	2.445460E-08	-3.756922E-06	-8.796410E-05	-5.047460E-08					
43119.	5.907882E-04	4.883788E-08	1.804846E-08	-3.769589E-06	-9.751423E-05	-9.597338E-09					
43123.	6.519805E-04	4.375972E-08	1.107866E-08	-3.781582E-06	-1.071538E-04	-4.023060E-08					
43127.	7.132108E-04	3.897815E-08	5.821673E-09	-3.792817E-06	-1.167981E-04	-2.800627E-08					
43131.	7.749680E-04	3.430115E-08	5.138408E-10	-3.805019E-06	-1.265163E-04	-2.492355E-08					
43135.	8.366221E-04	3.050616E-08	-2.708327E-09	-3.812050E-06	-1.362227E-04	-4.775074E-08					
43139.	8.985801E-04	2.68554E-08	-5.266051E-09	-3.819574E-06	-1.459664E-04	-1.113142E-08					
43143.	9.604325E-04	2.300000E-08	-6.385994E-09	-3.829152E-06	-1.567736E-04	-5.529452E-08					
43147.	1.022117E-03	1.989744E-08	-4.805164E-09	-3.829803E-06	-1.674439E-04	-9.900924E-09					
43151.	1.089802E-03	1.691552E-08	-1.921612E-09	-3.828012E-06	-1.787060E-04	-6.607811E-08					
43155.	1.160080E-03	1.403824E-08	2.069736E-09	-3.822423E-06	-1.966504E-04	-1.062174E-08					
43159.	1.221177E-03	1.187581E-08	4.753612E-09	-3.814736E-06	-2.106190E-04	-6.565475E-08					
43163.	1.281521E-03	1.000803E-08	3.346144E-09	-3.802768E-06	-2.250630E-04	-1.397577E-08					
43167.	1.342021E-03	8.095661E-09	2.107454E-09	-3.787060E-06	-2.406300E-04	-5.442933E-08					
43171.	1.402623E-03	6.286712E-09	8.472211E-10	-3.767283E-06	-2.573692E-04	-2.939211E-08					
43175.	1.461275E-03	4.967301E-09	3.761261E-10	-3.742039E-06	-2.743614E-04	-3.707250E-08					
43179.	1.512001E-03	3.773061E-09	4.577106E-10	-3.714414E-06	-2.927525E-04	-4.698672E-08					
43183.	1.563758E-03	2.873061E-09	2.33673E-10	-3.680669E-06	-3.128068E-04	-2.059717E-08					
43187.	1.620081E-03	2.199581E-09	5.323276E-11	-3.642735E-06	-3.307471E-04	-5.970464E-08					
43191.	1.692998E-03	1.671641E-09	1.14031E-10	-3.596822E-06	-3.495911E-04	-1.083469E-08					
43195.	1.749312E-03	1.275821E-09	7.058321E-11	-3.545807E-06	-3.683497E-04	-6.191067E-08					
43199.	1.805196E-03	9.775821E-10	3.894262E-11	-3.502766E-06	-3.874964E-04	-1.058053E-08					
43203.	1.846111E-03	7.335581E-10	1.94244E-11	-3.458353E-06	-4.036370E-04	6.967196E-09					
43207.	1.901677E-03	5.733661E-10	7.3244E-12	-3.403189E-06	-4.211980E-04	5.841987E-09					
43211.	1.955691E-03	4.752798E-10	3.9032E-12	-3.368189E-06	-4.392033E-04	-8.398964E-09					
43215.	2.003531E-03	3.67491E-10	1.81997E-12	-3.329013E-06	-4.573033E-04	1.979334E-08					
43219.	2.057500E-03	2.841371E-10	7.13335E-13	-3.298701E-06	-4.7584631E-04	-1.801063E-08					
43223.	2.105749E-03	2.246441E-10	3.542178E-13	-3.21542E-06	-4.943517E-04	2.612564E-08					
43227.	2.151974E-03	1.624841E-10	7.54939E-14	-3.027136E-06	-5.13517E-04	2.612564E-08					
43231.	2.196772E-03	1.146642E-10	1.463943E-14	-2.926596E-06	-5.3305820E-04	-1.792497E-08					
43235.	2.238548E-03	6.972091E-11	4.108461E-15	-2.819806E-06	-5.533230E-04	2.298411E-08					
43239.	2.278825E-03	6.690471E-11	3.83094E-15	-2.707154E-06	-5.73637464E-04	-8.442320E-09					
43243.	2.317718E-03	5.712371E-11	2.70952E-15	-2.588546E-06	-5.9369877E-04	1.256435E-08					
43247.	2.353361E-03	4.62553E-11	1.287368E-15	-2.464294E-06	-6.1356423E-04	6.449671E-09					
43251.	2.387468E-03	3.61553E-11	5.66299E-16	-2.334408E-06	-6.34041E-04	-8.372371E-11					
43255.	2.419613E-03	2.63356E-11	1.611321E-16	-2.199778E-06	-6.542238E-04	2.050127E-08					
43259.	2.449613E-03	1.866831E-11	6.909688E-17	-2.058715E-06	-6.7310279E-04	-8.996800E-09					
43263.	2.477441E-03	1.474031E-11	6.997981E-17	-1.912135E-06	-6.9547991E-04	2.83182E-08					
43267.	2.503306E-03	1.074911E-11	6.77027E-18	-1.762466E-06	-7.196125E-04	-9.752059E-09					
43271.	2.526856E-03	8.95564E-12	6.800874E-18	-1.606972E-06	-7.43077E-04	2.733846E-08					
43275.	2.548471E-03	9.041001E-12	6.644361E-18	-1.446920E-06	-7.668690E-04	-1.70703E-09					
43279.	2.568544E-03	9.474747E-12	6.582777E-18	-1.282739E-06	-7.910008E-04	1.572598E-08					

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